

GEOLOGICAL SURVEY OF CANADA
ROBERT BELL, M.D., D.Sc., LL.D., F.R.S., ACTING DIRECTOR

ALTITUDES
IN THE
DOMINION OF CANADA
WITH A RELIEF MAP OF NORTH AMERICA

BY
JAMES WHITE, F.R.G.S.
GEOGRAPHER, DEPARTMENT OF THE INTERIOR
LATE GEOGRAPHER AND CHIEF DRAUGHTSMAN, GEOLOGICAL SURVEY

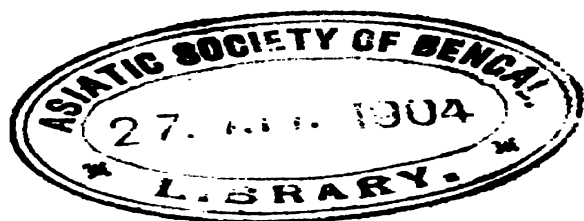


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TO GEORGE M. DAWSON,
Director, Geological Survey of Canada

SIR,—I beg to submit herewith my report on Altitudes in the Dominion of Canada. It is accompanied by a relief map of North America on a scale of 250 miles to 1 inch, and four sheets of profiles of the St. Lawrence system and of the Canadian Pacific Railway, this railway being chosen as showing the profile of the country along the only trans-continental line in Canada. The work of which this is the result was begun in 1894 as a private investigation, but I am happy to avail myself of your kind offer in regard to publication.

It is not presented as absolutely accurate, but as the best possible interpretation of the conflicting evidence available at the present time. Errors in the field and in the office necessarily prevent absolute accuracy, but every effort has been made, by comparing the railways at all crossings and wherever they touch lakes, whose elevation has been well determined, to eliminate or minimize these errors. In a few instances it has been found necessary to run lines of levels in the field to determine the elevation of track above mean tide and to connect the levels of independent lines. With the exception of the levels run by Mr. R. Steckel of the Department of Public Works nothing has been done in Canada in the way of precise levelling, though the levels of the Canadian Deep Waterways Commission are of a high degree of accuracy. Special mention should also be made of the re-levelling of the Grand Trunk Railway, in 1878, and subsequent years, the average error, with one exception, being less than one foot. In 1883-86 Mr. Steckel ran a line of precise levels from Rouse Point to Quebec via Sorel, and from Sorel to Lachine. Subsequently he continued this line from Quebec down the St. Lawrence to Gaspé. The results of the Quebec-Gaspé line are, however, still unpublished.

In 1884 Mr. J. W. Spencer published, as Bulletin No. 6 of the Geological Survey of the United States,—a pamphlet of 43 pages—a 'List of Elevations in the Dominion of Canada.' This, however, only included a number of railways now merged into the Grand Trunk Railway and the Ontario Division of the Canadian Pacific. In 1889 Mr. Warren Upham published, as an appendix to his report on 'Glacial Lake Agassiz in Manitoba,'* tables of altitudes in the southern portions of the North West Territories. They have since been republished as part of his report on 'Altitudes between Lake Superior and the Rocky Mountains.'† The above constitute practically all the compilations covering a considerable area of the Dominion.

* Geological Survey Report, Part J, Vol. IV., 1888-89.

† Bulletin of the United States Geological Survey, No. 72.

As this is the first general compilation of altitudes in Canada, it has been made as comprehensive as possible and a great deal of detailed information that may be omitted in subsequent editions, has been included. Abstracts of all the railway profiles obtainable—with elevations of stations, sidings, principal stream crossings, depressions and summits—profiles of canals, canoe-routes and rivers, and altitudes of lakes, mountain-passes, &c., have been included. Most of this information has been extracted from the following :—

- Profiles of railways and canals in the Department of Railways and Canals.
- Profiles of railways in the offices of the railway companies.
- Reports and maps of the Geological Survey.
- British Admiralty and United States Coast Survey charts.
- Report of the United States Deep Waterways Commission.
- List of altitudes determined by the Canadian Deep Waterways Commission.
- Reports on Irrigation Surveys.
- Maps of International Boundary Commission, Canada.

The plane of reference in this report is mean sea-level. Railway elevations refer to base of rail opposite centre of station buildings, centre of sidings and bridges. All available information relating to high and low stages of water in rivers and lakes has been noted, but in many instances water level is shown on the profiles without any note as to stage or date of observation. Free use has been made of the Geological Survey reports and the report of the United States Deep Waterways Commission.

My thanks are due to practically all the chief and division engineers and superintendents of railways in Canada, to Mr. Thomas Monro, Chief Engineer, Soulanges Canal, and to many others. My thanks are also due to Mr. W. J. Wilson for his co-operation and assistance.

I have the honour to be, sir,
Your obedient servant,
JAMES WHITE

OTTAWA, July 24, 1899.

P R E F A C E

As nearly all the elevations between Montreal and Winnipeg have been reduced with reference to the River St. Lawrence and the Great Lakes, the evidence upon which the elevations of the latter have been determined is appended herewith.

HUDSON RIVER LEVELS—ELEVATION OF BENCH MARK ON GRIST MILL AT GREENBUSH, N.Y.

Date	Authority	Elevation*
		Feet
1857-58.....	J. B. Vose, M. S. Coast and Geodetic Survey.....	15.37
1877.....	O. H. Tittman, U. S. Coast and Geodetic Survey.....	14.728
1889.....	West Shore Railroad levels.....	16.01
1894.....	U. S. Coast and Geodetic Survey.....	13.645†

This bench mark is the initial point of the lines of precise levelling to Lake Champlain and to Lake Ontario. Up to the present time, all published elevations have been based on the value 14.73, but as this is the first general compilation of altitudes in Canada the later and more correct value, viz., 13.65, has been adopted and, as shown below, the resulting elevation for Lake Michigan differs from the determination of the Mississippi River Commission by only 0.05 foot.

LAKE ONTARIO (MEAN WATER) 1871 TO 1900

Authority	Above B.M. at Greenbush	Above mean tide at New York
1. Coast and Geodetic Survey, party No. 1.....	230.87	244.52
2. Coast and Geodetic Survey, party No. 2.....	231.82	245.47
3. Erie and Oswego Canal levels.....	232.00	245.65
4. Coast and Geodetic Survey to Rouse Point, thence by Canadian Deep Waterways Commission to Kingston.....	231.17	244.82
5. Coast and Geodetic Survey to Rouse Point, Department of Public Works, Rouse Point to Montreal, and Grand Trunk Railway (re-levelling) Montreal to Kingston.....	230.75	244.40

The mean of 1 and 2 (244.99) has been adopted, though the Champlain-St. Lawrence line (4) tends to show that it is a little too high. The Coast survey lines, however, were lines of precision, whereas the Rouse Point-Kingston line was run with ordinary Y levels, although discrepancies were eliminated by re-running. A mean of 1, 2 and 3 (244.93) would not differ materially from that adopted.

* All elevations are referred to mean tide at New York.

† The difference between the above (13.645) and any former results is probably due to the more perfect determination of tidal level than to any other cause.

Letter of Mr. W. W. Duffield, Superintendent, United States Coast and Geodetic Survey.

GEOLOGICAL SURVEY OF CANADA

LAKE ERIE (MEAN WATER) 1871 TO 1900

Authority	Above Lake Ontario	Above mean tide at New York
1. Coast and Geodetic Survey, party No. 1.....	326·566	571·556
2. Coast and Geodetic Survey, party No. 2.....	326·594	571·584
Mean.....	326·58	571·57

LAKES HURON AND MICHIGAN (MEAN WATER) 1871 TO 1900

Authority	Above Lake Erie	Above mean tide at New York
1. Coast and Geodetic Survey.....	8·29	579·86
2. Mississippi River Commission.....		579·91

LAKE SUPERIOR (MEAN WATER) 1871 TO 1900

Authority	Above Lakes Huron and Michigan	Above mean tide at New York
1. Coast and Geodetic Survey.....	20·70	600·56
2. Mississippi River Commission.....	20·84	600·75

In each case the Coast and Geodetic Survey determination has been adopted as, with the exception of the Mississippi line, it is the only line of precision and the close agreement of the two lines at Chicago precludes the possibility of any serious error.

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*Name changed to Ottawa, Northern and Western Railway.

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* Absorbed by Canadian Northern Railway since publication.

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MAP

Relief map of Canada and the United States Scale 250 miles to 1 inch

PROFILES

- Sheet 1—Canadian Pacific Railway, main line, Montreal to Winnipeg
- Sheet 2—Canadian Pacific Railway, main line, Winnipeg to Vancouver
- Sheet 3—Canadian Pacific Railway, old location *via* Yellowhead Pass
- Sheet 4—River St. Lawrence and Great Lakes

ERRATA

- Page 1—Twenty-fourth line from bottom, for 297 and 288 read 197 and 188, respectively
 7—Eighteenth, nineteenth, twentieth and twenty-first lines from top, for 1063·8, 1063·4, 1073·3 and 1073·5 read 1163·8, 1169·4, 1173·3 and 1173·5, respectively
 23—Twenty-first line from top, for 205 read 202
 25—Twenty-sixth line from bottom, for 664 read 644
 26—Tenth line from bottom, for elevation of Admaston station 404 read 402
 34—Twenty-sixth line from top, for 1325, read 1326
 Tenth line from bottom, for 1466, read 1456
 37—Ninth line from bottom, for 1552, read 1557
 38—First line, for 961, read 955
 Fifth line from bottom, for 1552, read 1557
 Fourth line from bottom, for 1794, read 1696
 39—Third line from top, for 1596, read 1616
 Fourth line from top, for 1479, read 1500
 41—Twenty-seventh line from top, for 210·5, read 211·5
 Thirty-second line from top, for 4723, read 4237
 48—Twenty-second line from bottom, for *Vermilion River*, read *Lake aux Sables*
 49—Nineteenth line from top, for 1262, read 1362
 50—Eleventh line from bottom, for *water*, read *high water*
 58—Thirty-fourth line from bottom, for 3224, read 3324
 62—Twenty-sixth line from top, for *rail*, read *ice*
 70—Sixth line from top, for *Brookfield*, read *Rockfield*
 72—Twenty-fifth line from top, for *Limestone*, read *Limehouse*
 78—Sixteenth line from bottom, for 857, read 852
 84—Twenty-first line from top, for 30, read 306
 89—Twenty-ninth line from bottom, for 1228, read 1226
 90—Fourteenth line from bottom, for 800, read 801
 108—Fifteenth line from bottom, for 305, read 311
 141—Second, third and fourth lines from bottom, for 583, 610 and 617, read 582, 609 and 616, respectively
 194—Twenty-first line from bottom, for 121·6, read 120·6
 224—Seventh line from top, for *Section 52*, read *Station 55*

ALTITUDES

IN

THE DOMINION OF CANADA

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver</i>		
0·0	Montreal, Place Vigier station	58·49
1·6	Hochelaga station	63
4·5	Summit	227
4·9	Mile End station	225
5·8	Outremont junction	195
8·3	Jacques Cartier junction	96
9·7	Sault aux Récollets station	75
9·9	River des Prairies, water, 57; bed, 32; rail	75
11·5	St. Martin station	93
12·6	St. Martin junction, with Quebec section	110
17·1	Ste. Rose station	85
17·4	River des Mille Isles, water, 68; bed, 43; rail	85
17·8	Rosemere station	91
19·8	Ste. Thérèse junction, with Ste. Agathe, St. Lin and St. Eustache branches	120
23·7	River Chicot, water, 185; rail	193
27·4	St. Augustin station	227
30·1	Summit, ground, 279; rail	275
32·2	St. Scholastique station	238
32·6	Belle River, water, 221; bed, 216; rail	238
37·3	St. Hermas station	256
43·1	Summit, ground, 264; rail	260
44·0	Lachute station	229
44·5	North River, water, 297; bed, 288; rail	211
48·6	St. Philippe West station	263
51·4	Summit, ground, 341; rail	335
56·8	Kingey Brook, water, 216; rail	226
57·4	Grenville station	210
59·4	Calumet	194
59·7	Calumet River, bed, 141; rail	179
61·6	Rouge River, high water (May, 1876), 140; ordinary low water, 126; rail	169
64·0	River au Chêne, water, 157; rail	179
64·6	Pointe au Chêne station	182
66·9	Salmon Brook, summer level, 133; bed, 129; rail	159
72·5	Salmon River, high water (1876), 140; ordinary low water, 126; bed, 118; rail	156
74·3	Montebello station	166
79·0	Papineauville station	149
83·8	North Nation Mills station	181
84·4	North Nation River, high water (1876), 141; bed, 113; rail	179
89·0	Little Blanche River, high water (1876), 160; ordinary high water, 153; rail	177
90·3	Thurso station	186
92·5	Blanche River, water (July 27, 1874), 128; bed, 123; rail	164
93·8	Rockland station	178
99·7	Buckingham station	183
100·2	Lièvre River (water, Ottawa River, Aug. 17, 1874, 126), water, 162; bed, 157; rail	183
103·6	L'Ange Gardien West station	183

GEOLOGICAL SURVEY OF CANADA.

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
109.2	Upper Blanche River, water, 138; bed, 134; rail	150
109.4	East Templeton station	159
114.2	Gatineau station	174
115.9	Gatineau River, high water (1876), 150; extreme low water, 125; rail	181
118.3	Hull station	189
119.7	Ottawa River, high water (1876), 174; (1877), 166; (1878), 167; (1879), 162; rail	188
120.3	Ottawa, Union station	175
121.7	Skeads station	214
124.4	Britannia "	199
125.0	Ottawa River, Deschênes Lake, water (Sept. 9, 1898), 187.5; rail	197
126.3	Canada Atlantic crossing, Can. Atl. Ry., rail, 237; Can. Pac. Ry., rail	215
128.1	Bells Corners station	209
134.0	Stittsville station	396
137.7	Summit	487
142.8	Ashton station	446
145.2	Appleton station (closed)	426
147.6	Carleton, junction with Brockville branch, north track	447
148.3	Mississippi River, high water, 433; low water, 427; bed, 423; rail	447
154.5	Almonte station	399
154.7	Mississippi River, water, 368; bed, 364; rail	402
158.3	Snedden station	379
163.1	Mississippi River, high water, 294; low water, 289; bed, 279; rail	321
163.4	Pakenham station	320
170.7	Madawaska River, high water, 259; low water, 242; (Ottawa River, at mouth of Madawaska, high water, 246; low water, 240); rail	287
171.3	Arnprior station	301
171.7	Canada Atlantic Railway crossing	302
174.3	Braeside station	279
176.5	Sand Point "	266
182.5	Castleford "	307
186.4	Russells "	415
189.4	Renfrew "	416
190.4	Bonnechère River, water, 365; bed, 353; rail	389
193.0	Atlantic and North-west junction, with Eganville branch	404
196.7	Summit	543
198.1	Haleys station	530
200.9	Gould Creek, water, 484; rail	496
205.2	Colden station	476
210.6	Snake River station	424
210.9	Snake River, water, 406; rail	416
214.3	Graham station	420
214.6	Muskrat River, water, 409; rail	417
216.7	Summit, rail	407
218.6	Government Road station	414
224.0	Pembroke station	381
224.2	Bay of Ottawa River, high water (May, 1876), 375; low water (June 14, 1878), 368; rail	391
229.0	Stafford station	474
234.4	Petawawa station	467
234.4	Petawawa River, water, 437; bed, 431; rail	461
238.5	Summit	517
240.5	Thistle station	510
242.9	Chalk River, water, 477; bed, 471; rail	486
245.7	Chalk River station	524
250.9	Wylie station	528
255.2	Bass Lake station	609
258.0	Summit, natural surface, 710; rail	696
260.8	Moorlake station	623
262.5	Moore Lake, water, 613; rail	622
269.8	Mackey station	431
271.4	Heney Brook, water, 404; rail	421
274.0	Rockliffe station	478
283.9	Bissett "	550
290.6	Summit	753
292.0	Aylen station	725
296.5	Deux Rivières station	518
297.5	Ottawa River (Kelly Bay), high water (May 10, 1880), 482; low water, 469; rail	498

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
307.3	Klock station.....	530
318.0	Mattawa, junction with Temiscaming branch.....	564
318.9	Boom Creek, water, 525; rail.....	556
323.7	Calvin station.....	696
329.0	River Amable du Fond, water, 555; rail.....	579
330.1	Eau Claire station.....	591
336.9	Rutherford ".....	789
339.8	Summit, rail.....	838
343.9	Bonfield station.....	782
347.9	Nasbong station.....	785
357.5	Thorncliff ".....	699
359.1	Nipissing junction, with Grand Trunk Ry., North Bay branch.....	674.6
363.5	North Bay station.....	659
363.1	Lake Nipissing, high water, 647.8; low water.....	640.5
373.5	Beauceage station.....	673
378.0	Meadowside ".....	661
386.8	Sturgeon Falls ".....	685
387.1	Sturgeon River, bed, 636; rail.....	684
389.7	Catche Bay station.....	652
397.4	Verner ".....	669
406.0	Warren ".....	689
412.0	Hagar ".....	675
418.5	Markstay ".....	685
422.0	Hillcrest " (closed).....	739
425.9	Summit.....	864
426.2	Stinsons station.....	862
430.6	Wahnapitae station.....	779
430.7	Wahnapitae River, high water, 772; bed, 740; rail.....	779
435.9	Romford station.....	839
442.7	Sudbury, junction with Sault Ste. Marie branch.....	850
446.2	Summit, ground, 996; rail.....	992
449.7	Rayside station.....	881
454.9	Chelmsford station.....	881
455.1	Deadfall Brook, bed, 816; rail.....	880
460.4	Vermilion River, water, 812; bed, 838; rail.....	867
469.5	Larchwood station.....	868
464.0	Phelans ".....	927
466.7	Onaping " (closed).....	1,047
471.0	Windy Lake ".....	1,221
477.9	Cartier " (by levels from Montreal).....	1,364
	" " (" Lake Superior).....	1,398
481.6	Geneva Lake ".....	1,360
482.6	Summit, ground, 1,419; rail.....	1,408
485.2	Depression, ground, 1,280; rail.....	1,286
488.9	Summit, ground, 1,392; rail.....	1,386
489.2	Straight Lake station.....	1,373
498.0	Pogamasing ".....	1,164
501.2	Spanish River, water, 1,154; rail.....	1,171
505.7	Summit, ground, 1,282; rail.....	1,264
507.4	Spanish Forks station.....	1,203
507.9	Bay of Spanish River, water, 1,189; rail.....	1,201
512.2	Summit, ground, 1,330; rail.....	1,324
514.7	Metagama station.....	1,271
518.7	West branch Spanish River, water, 1,267; bed, 1,258; rail.....	1,273
522.1	Eureka Lake, high water, 1,384; low water.....	1,376
522.6	Eureka Lake station.....	1,391
524.5	Summit, ground, 1,412; rail.....	1,400
528.1	Houghton Lake, water, 1,325; rail.....	1,337
532.1	Biscotasing Lake, water, 1,321; rail.....	1,332
532.4	Biscotasing station.....	1,338
536.7	Summit, ground, 1,414; rail.....	1,411
541.2	Duchessnay station.....	1,377
546.2	Pogamasing River, water, 1,339; rail.....	1,355
548.7	Ramsay station (summit).....	1,403
553.0	Cat Lake, water, 1,372; rail.....	1,382
555.5	Turnbull station.....	1,390
555.8	Pogamasing River, water, 1,383; rail.....	1,392

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
556.9	Summit (height-of-land between Lake Huron and Hudson Bay), ground, 1,423; rail	1,417
558.2	Branch of Woman River, bed, 1,382; rail	1,388
564.0	Woman River, water, 1,437; rail	1,444
564.1	Woman River station	1,444
566.5	Summit, ground, 1,529; rail	1,516
567.0	Brook, bed, 1,449; rail	1,464
571.0	Summit, rail	1,499
572.2	Winnebago station	1,461
573.1	Winnebago River, water, 1,429; rail	1,447
576.5	Summit, ground, 1,492; rail	1,477
580.6	Ridout station	1,369
585.4	Apiskinagama River, water, 1,353; rail	1,361
586.9	Summit, rail	1,412
589.7	Kinogama station	1,370
595.9	Summit, ground, 1,494; rail	1,487
598.6	Nemegosenda River, water, 1,419; rail	1,425
598.8	Nemegosenda station	1,426
604.3	Summit, ground, 1,517; rail	1,513
605.1	Lac Poulin station	1,504
607.7	Lac Poulin, water, 1,481; rail	1,498
613.8	Kebsequashosing River, high water, 1,405; low water, 1,402; rail	1,413
615.2	Chapleau station	1,418
615.6	Kebsequashosing Lake, high water, 1,407; low water, 1,403; rail	1,418
620.0	Grace Lake, water, 1,459; rail	1,469
622.2	Esher station	1,489
623.9	Lake Wangoom, high water, 1,486; rail	1,496
625.3	Summit, ground, 1,560; rail	1,541
626.8	Lake Conno, water, 1,501; rail	1,518
628.8	Summit, height-of-land between Lake Huron and Hudson Bay	1,536
629.2	Pardoe station	1,528
637.6	Brunel "	1,410
638.2	Lake Windermere, high water, 1,413; low water	1,408
642.6	Summit, ground, 1,465; rail	1,448
644.6	Windermere station	1,437
645.0	Echo Lake, water, 1,434; rail	1,439
646.3	Summit, ground, 1,475; rail	1,463
649.0	Delmage Lake, water, 1,385; rail	1,395
652.9	Bolckow station	1,381
660.0	Brook, water, 1,098; rail	1,137
661.0	Dalton station	1,162
661.9	Oasiwiwi Brook, water, 1,122; bed, 1,118; rail	1,155
665.3	Summit, rail	1,260
666.8	Curry station	1,226
674.2	Dog Lake, "Lochalsh Narrows," water, 1,091; rail	1,099
675.0	Missanabie station	1,106
677.2	Summit, ground, 1,166; rail	1,140
678.7	Lochalsh River, high water, 1,096; low water, 1,091; rail	1,099
681.2	Loch Lomond River, water, 1,094; bed, 1,090; rail	1,121
685.1	Lochalsh station	1,182
687.4	Trout Brook, water, 1,172; rail	1,187
691.1	Summit, ground, 1,346; rail	1,331
694.0	Otter station	1,210
701.9	Williams "	1,190
705.2	Maggie River and Lake, water, 1,138; rail	1,164
710.2	Grasett station	1,246
717.4	Girdwood station (summit)	1,441
719.1	Siding	1,404
721.1	Chisholm Brook, water, 1,403; bed, 1,400; rail	1,436
722.5	Summit, ground, 1,527; rail	1,496
726.8	Amyot station	1,386
727.5	Birch Lake, water, 1,366; rail	1,380
734.8	White River, water, 1,302; bed, 1,289; rail	1,331
737.1	O'Brien station (summit)	1,442
739.8	Whitefish Brook, water, 1,329; rail	1,362
744.9	White River, water, 1,239; rail	1,245
746.7	White River station	1,230
750.9	Summit, ground, 1,295; rail	1,289

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
754.8	Denison station.....	1,174
759.5	White River, water, 1,136; bed, 1,129; rail.....	1,147
762.4	Quinguish River, water, 1,125; bed, 1,115; rail.....	1,132
762.8	Brenner station.....	1,129
765.7	White River, water, 1,107; bed, 1,080; rail.....	1,119
768.5	White Lake, water, 1,073; rail.....	1,080
769.8	Montzambert station.....	1,020
771.7	White River, high water, 1,073; low water, 1,068; bed, 1,057; rail.....	1,081
773.4	Summit, ground, 1,151; rail.....	1,124
776.4	Trudeau station.....	1,042
780.9	Cedar River, water, 1,027; bed, 1,022; rail.....	1,038
782.2	Summit, ground, 600 ft. east, 1,105; rail.....	1,096
784.0	Long Lake Brook, water, 1,007; rail.....	1,032
786.7	Cache Lake station.....	968
787.8	Cache Lake, water.....	954
796.6	Melgund station.....	817
797.4	Black Pic River, water, 756; bed, 734; rail.....	805
801.2	Pic River, water, 603; bed, 592; rail.....	685
802.3	Heron Bay station.....	708
804.5	Summit, ground, 500 ft. west, 778; rail.....	752
808.8	Depression, ground, 651; rail.....	671
810.0	Summit, ground, 500 ft. west, 733; rail.....	724
810.7	Peninsula station.....	707
815.2	Port Munro, bed of stream, 623; rail.....	674
817.4	Summit (Otter Lake, water, 748); rail.....	750
817.8	Red Sucker station.....	738
818.2	Red Sucker Cove, water (Lake Superior), 600.5; bed, 581; rail.....	714
819.8	Mink River, water, 602; bed, 601; rail.....	648
821.5	Port Coldwell station.....	711
824.6	Summit, ground, 893; rail.....	865
828.1	Little Pic River, water, 612; bed, 606; rail.....	693
829.9	Middleton station.....	691
832.9	Depression, ground, 616; rail.....	638
838.7	Steel Lake station (summit).....	741
840.9	Steel Lake, water, 695; rail.....	713
841.8	Steel River, water, 609; bed, 607; rail.....	672
846.5	Jackfish station.....	632
851.6	Blackbird Brook, water, 619; bed, 617; rail.....	698
856.9	Black River station.....	894
857.5	Black River, water, 819; rail.....	887
862.0	Summit, ground and rail.....	1,010
863.5	Depression, ground, 871; rail.....	954
865.4	Schreiber station.....	993
866.8	Summit, ground, 1,037; rail.....	1,023
873.0	Winston station.....	762
874.6	Maggot River, water, 648; bed, 644; rail.....	701
879.6	Rossport station.....	643
885.8	Pays Plat River, water, 601; rail.....	609
887.4	Pays Plat station.....	621
890.8	Summit, ground, 741; rail.....	658
892.5	Tunnel, surface of ground, 765; rail.....	645
895.8	Gravel River station.....	628
898.6	Gravel River, water, 608; rail.....	621
903.9	Gurney (formerly Cypress River) station.....	626
904.3	Cypress River, water, 613; bed, 610; rail.....	628
908.7	Summit, ground and rail.....	723
911.6	Jackpine River, bed, 622; rail.....	644
911.9	Mazokama station.....	648
918.6	Jackfish River, water, 601; rail.....	622
920.5	Fire Hill station.....	606
926.4	Summit, ground, 728; rail.....	713
927.5	Nipigon River, high water, 604; low water, 602; rail.....	685
928.3	Nipigon station.....	685
931.0	Depression, rail.....	607
935.6	Trout Brook, water, 625; bed, 622; rail.....	644
937.0	Sprucewood (formerly Trout Creek) station (summit).....	689
939.0	Black Sturgeon River, water, 611; bed, 594; rail.....	666
945.7	Wolf River station.....	607

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
948.4	Wolf River, water, 603; bed, 599; rail.....	620
954.2	Quimet station.....	739
961.3	Pearl River station.....	860
961.4	Pearl River, water, 840; bed, 838; rail.....	851
968.5	Summit, ground, 1,099; rail.....	1,072
970.0	Loon Lake station.....	1,028
971.0	Mackenzie River, water, 989; bed, 987; rail.....	1,000
978.5	" " 893; " 890; ".....	902
979.1	Mackenzie station.....	911
985.7	McLean ".....	749
991.6	Current River, water, 629; bed, 626; rail.....	638
993.0	Port Arthur station.....	608
	Lake Superior, standard low water, 599.61; high water, 603.68; mean water (1871-1895).....	600.49
997.3	Fort William station.....	607
999.3	Kaministiquia River, low water (1879), 599.6; bed, 586; high water (1879).....	612
1,000.0	Fort William West station.....	635
1,000.0	Kaministiquia River, bed, 584; low water, 602; high water.....	614
1,004.9	Neebing station.....	715
1,010.7	Murillo station.....	947
1,013.7	Summit, ground, 1,082; rail.....	1,080
1,014.3	Lofoden station (closed).....	1,072
1,014.9	Depression, ground, 1,045; rail.....	1,053
1,015.5	Summit, ground, 1,082; rail.....	1,081
1,015.6	Kakabeka station (summit).....	1,084
1,020.5	Srawberry Brook, bed, 977; high water, 985; low water, 982; rail.....	904
1,021.1	Kaministiquia station.....	1,013
1,021.5	Kaministiquia River, bed, 975; high water, 997; low water, 993; rail.....	1,013
1,025.7	Matawin River, bed, 1,078; low water, 1,082; high water, 1,089; rail.....	1,098
1,025.9	Sunshine station.....	1,053
1,027.3	Sunshine Brook, 1st crossing, bed, 1,106; low water, 1,109; high water, 1,113; rail.....	1,122
1,028.9	Sunshine Brook, 3rd crossing, bed, 1,151; low water, 1,158; high water, 1,162; rail.....	1,168
1,030.4	Finmark station.....	1,180
1,034.6	Sunshine Brook, bed, 1,330; water, 1,334; rail.....	1,352
1,037.7	Buda station (summit).....	1,472
1,038.6	Oskondiga River, bed, 1,415; water, 1,421; rail.....	1,453
1,039.4	Tunnel, rail (51 ft. below top of rock above).....	1,458
1,043.4	Oskondiga station.....	1,419
1,045.5	Oskondiga River, bed, 1,426; water, 1,428; rail.....	1,441
1,048.8	Nordland station (closed).....	1,543
1,050.4	Dexter station.....	1,582
1,051.1	Summit, ground and rail.....	1,585
1,053.2	South-east branch Savanne River, bed, 1,544; water, 1,545; rail.....	1,554
1,055.3	" " " 1,537; " 1,538; ".....	1,546
1,058.6	Linkoping station.....	1,534
1,064.5	Atbara ".....	1,540
1,069.2	Savanne ".....	1,506
1,069.8	North branch Savanne River, bed, 1,487; water, 1,498; rail.....	1,506
1,075.5	Biota station.....	1,553
1,079.7	Upsala ".....	1,562
1,087.2	Carlstadt ".....	1,515
1,087.3	Ifay Lake, water, 1,505; rail.....	1,515
1,092.1	Fire-steel River, bed, 1,500; water, 1,505; rail.....	1,513
1,094.8	Niblock station.....	1,536
1,095.8	Beaver River, bed, 1,519; water, 1,526; rail.....	1,532
1,097.2	Bridge River station (closed).....	1,543
1,102.3	Shebandowan station.....	1,540
1,104.0	Burnt River, bed, 1,501; water, 1,510; rail.....	1,520
1,107.2	Hawk Lake, water, 1,509; rail.....	1,518
1,108.8	English River, bed, 1,504; water, 1,511; rail.....	1,516
1,109.6	English River station.....	1,518
1,110.2	Scott River, bed, 1,505; water, 1,512; rail.....	1,517
1,117.2	Summit, ground, 1,569; rail.....	1,559
1,117.6	Martin station.....	1,558
1,121.0	Depression, rail.....	1,484
1,124.0	Tamarac station.....	1,513

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,125.2	Summit, rail.....	1,550
1,127.6	Bonheur station.....	1,531
1,130.0	Summit, rail.....	1,555
1,131.9	South Lake, water, 1,496; rail.....	1,511
1,133.3	Depression, rail.....	1,479
1,134.6	Woonga station.....	1,518
1,137.3	Gull River, bed, 1,457; water, 1,459; rail.....	1,489
1,138.4	Falcon station.....	1,509
1,144.9	Abginnac River, bed, 1,467; rail.....	1,490
1,145.7	Ignace station.....	1,487
1,147.2	Quarry spur.....	1,487
1,150.4	Osaquan station.....	1,429
1,152.2	Osaquan River, bed, 1,413; rail.....	1,423
1,152.6	Mcgrund station.....	1,429
1,154.0	Butler.....	1,423
1,159.2	Little Wabigoon River, bed, 1,396; rail.....	1,407
1,160.5	Glencoe River, bed, 1,399; rail.....	1,408
1,063.8	Raleigh station.....	1,440
1,069.4	Bigsby.....	1,433
1,073.3	Little Wabigoon River, bed, 1,318; rail.....	1,366
1,073.5	Taché station.....	1,366
1,175.8	Burnt Stick Brook, bed, 1,313; rail.....	1,347
1,177.2	Kirkpatrick Brook, bed, 1,319; rail.....	1,352
1,179.4	Dymont station.....	1,350
1,179.7	Bear Brook, bed, 1,334; rail.....	1,351
1,181.1	Kennebitch Lake, water, 1,337; rail.....	1,342
1,183.7	Brulé station.....	1,355
1,188.0	Little Wabigoon Lake, water.....	1,206
1,190.5	Dinorwic station.....	1,239
1,191.9	McHugh Brook, bed, 1,206; rail.....	1,220
1,193.9	Summit, rail.....	1,255
1,195.6	Wabigoon Lake, water.....	1,206
1,195.6	Hughes River, bed, 1,201; water, 1,206; rail.....	1,210
1,196.0	Wabigoon station.....	1,211
1,197.9	Blackwater Brook, bed, 1,199; water, 1,206; rail.....	1,210
1,199.5	Thunder Brook, bed, 1,204; water, 1,206; rail.....	1,225
1,201.1	Elm Bay spur.....	1,230
1,203.2	Burdlay station.....	1,251
1,204.9	Summit, ground, 1,277; rail.....	1,267
1,208.7	Dryden station.....	1,220
1,208.8	Wabigoon River, water, 1,182; bed, 1,177; rail.....	1,220
1,214.2	Shoshogawae River, bed, 1,150; rail.....	1,160
1,215.3	Oxdrift station.....	1,161
1,219.3	Beaver River (1st crossing), bed, 1,127; rail.....	1,149
1,219.9	Beaver River (2nd crossing) bed, 1,128; rail.....	1,138
1,220.1	Minnitaki station.....	1,139
1,222.9	Beaver River (3rd crossing), bed, 1,122; rail.....	1,153
1,225.1	Eagle River station.....	1,186
1,225.5	Eagle River, bed, 1,149; water, 1,165; rail.....	1,190
1,228.2	Summit, ground, 1,275; rail.....	1,268
1,230.6	Anderson Pit siding.....	1,262
1,235.3	Vermilion Bay station.....	1,221
1,245.8	Grass Brook, bed, 1,190; rail.....	1,213
1,240.2	Eagle Lake, water, 1,188; rail.....	1,212
1,243.1	Gilbert station.....	1,216
1,244.3	Muskrat Lake, water, 1,195; rail.....	1,206
1,245.3	Strawberry Lake, water.....	1,190
1,248.7	Summit, ground and rail.....	1,295
1,249.8	Parrywood station.....	1,294
1,251.8	Stewart Lake, water, 1,303; rail.....	1,329
1,253.3	Summit, ground and rail.....	1,381
1,254.3	Swan Lake Brook, bed, 1,332; rail.....	1,363
1,255.3	Jack Pine station.....	1,376
1,255.6	Parrywood Lake, water, 1,375; rail (summit).....	1,378
1,256.4	Ulverston Lake, water, 1,358; rail.....	1,365
1,256.8	Mud Lake, water, 1,325; rail.....	1,357
1,257.8	Feist Lake, water, 1,328; rail.....	1,348
1,258.6	Turtle Lake, water, 1,366; rail.....	1,377

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,259.0	Summit, ground, 1,393; rail.....	1,386
1,259.0	Summit Lake, water.....	1,384
1,260.2	Caribou Lake, water, 1,326; rail.....	1,362
1,260.7	Summit station.....	1,347
1,262.7	Lily Lake, water, 1,285; rail.....	1,308
1,263.7	Clare Lake, water, 1,284; rail.....	1,296
1,265.0	Viaduct Lake, water, 1,248; rail.....	1,283
1,266.2	Hawk Lake station.....	1,290
1,268.4	Narrow Lake, water, 1,235; rail.....	1,256
1,273.2	MacMillan station.....	1,238
1,273.9	Trout Lake Brook, bed, 1,217; rail.....	1,249
1,277.0	Scovil station.....	1,187
1,282.4	Margach ".....	1,129
1,285.9	Garwood ".....	1,156
1,290.9	Rat Portage ".....	1,088
1,291.7	Winnipeg River, low water, 1,054; rail.....	1,088
	Lake of the Woods, water (1878), 1,056; (1879), 1,060; high water (1879), 1,062; low water, 1,054; mean water.....	1,057
1,293.7	Norman station.....	1,106
1,294.4	Keewatin ".....	1,078
1,295.2	Winnipeg Bay, water, 1,044; rail.....	1,063
1,296.0	Mink Bay, water, 1,044; rail.....	1,068
1,299.4	War Eagle Lake, water, 1,080; rail.....	1,122
1,301.0	Ostersund station.....	1,116
1,304.7	Busteed ".....	1,191
1,305.1	Summit, ground 600 ft. east, 1,217; rail.....	1,188
1,306.4	Lake Helen, water, 1,138; rail.....	1,152
1,306.8	Deception Lake, water, 1,094; rail.....	1,144
1,308.6	Bear Lake, water, 1,183; rail.....	1,193
1,309.1	Summit, ground, 1,253; rail.....	1,219
1,309.7	Deception station.....	1,216
1,311.7	Monument Lake, water, 1,178; rail.....	1,219
1,312.6	Pine Lake, water, 1,184; rail.....	1,227
1,314.1	Kalmar station.....	1,218
1,315.8	Summit Lake, water, 1,253; rail.....	1,256
1,315.9	Horner station.....	1,246
1,316.8	Kennedy Lake, water, 1,242; rail.....	1,244
1,317.5	Whitefish Lake, water, 1,214; rail.....	1,244
1,319.5	Summit, ground, 500 ft. east, 1,242; rail.....	1,222
1,322.0	Ingolf station.....	1,185
1,322.7	Summit, ground, 1,220; rail.....	1,191
1,326.5	Cross Lake station.....	1,115
1,328.2	Cross Lake, water.....	1,046
1,329.9	Depression, rail.....	1,054
1,332.2	Mauldsie siding.....	1,059
1,335.0	Telford station.....	1,108
1,336.0	Summit, rail.....	1,115
1,342.4	Brenton River, water, 1,042; rail.....	1,051
1,342.7	Renite station.....	1,052
1,348.4	Bog River, water, 996; rail.....	1,009
1,348.9	Culver station.....	1,005
1,349.9	Bog River, water, 992; rail.....	998
1,350.2	Raith station.....	970
1,353.1	Darwin ".....	972
1,357.7	Bog River, water, 922; rail.....	933
1,361.8	Whitemouth River, ice, 877; high water, 888; flood, 896; rail.....	900
1,362.6	Whitemouth station.....	908
1,363.5	Beaver Brook, water, 884; rail.....	905
1,368.7	Shelley station.....	929
1,373.5	Julius ".....	928
1,378.3	Molson, junction with Lac du Bonnet branch.....	879
1,381.1	Bear Brook, water, 821; rail.....	831
1,384.8	Brokenhead River, water, 784; rail.....	796
1,385.4	Sinnot station.....	798
1,388.0	Leaujour station.....	815
1,394.6	Tyndall ".....	795
1,396.0	Devil Brook, water, 769; rail.....	777

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,402.7	East Selkirk station* Red River, two miles west of East Selkirk, ice (1876, probably two feet above extreme low water), 713; flood (1876), 724; flood (1875), 726; extreme high water, flood (1836), 733; range, 22 feet.....	744 711 733
1,402.9	Cook Brook, water (May 18, 1877), 730; rail.....	750
1,408.8	Gonor station.....	759
1,415.9	Birds Hill station.....	761
1,421.6	Winnipeg junction, with Emerson branch.....	767
1,422.8	Red River, at Louise bridge, extreme low water, 722; flood (1826), 762; (1882), 748; rail.....	753
1,423.6	Winnipeg station.....	757
1,425.1	West Selkirk branch junction.....	759
1,425.5	Air Line junction, with Stonewall branch.....	761
1,426.9	Colony Brook, water, 769; rail.....	776
1,427.0	" " 772; ".....	781
1,431.0	Bergen station.....	784
1,438.8	Rosser ".....	796
1,445.9	Meadows ".....	793
1,452.5	Marquette ".....	807
1,458.8	Reaburn ".....	806
1,459.3	Long Lake, low water, 798; high water, 803; rail.....	804
1,464.0	Poplar Point station.....	815
1,472.3	High Bluff station.....	829
1,479.6	Portage la Prairie, junction with North Western branch.....	854
1,487.0	Dry Brook, bed, 858; rail.....	872
1,487.1	Burnside station.....	872
1,488.7	Rat Brook, water, 862; rail.....	890
1,494.7	Bagot station.....	935
1,499.2	Image Brook, water, 939; rail.....	953
1,501.2	McGregor station.....	955
1,508.1	Austin ".....	1,005
1,516.2	Sydney ".....	1,232
1,521.6	Melbourne ".....	1,248
1,523.3	Pine Brook, water, 1,199; rail.....	1,224
1,529.1	Carberry station.....	1,258
1,537.5	Sewell ".....	1,255
1,545.1	Douglas ".....	1,222
1,550.8	Chater, junction with North Central branch.....	1,215
1,554.6	Assiniboine River, water, 1,159; rail.....	1,177
1,556.3	Brandon station.....	1,194
1,564.5	Kennay, junction with Souris branch.....	1,361
1,572.1	Alexander station.....	1,406
1,581.0	Griswold ".....	1,417
1,586.0	Flat Brook, water, 1,376; rail.....	1,391
1,588.3	Oak Lake station.....	1,415
1,596.3	Routledge ".....	1,420
1,602.5	Gopher Brook, water, 1,404; rail.....	1,422
1,603.6	Virden station.....	1,444
1,611.7	Hargrave ".....	1,579
1,620.2	Elkhorn ".....	1,630
1,627.0	Kirkella ".....	1,684
1,634.4	Fleming ".....	1,794
1,642.7	Moosomin ".....	1,881
1,650.0	Red Jacket ".....	1,917
1,658.8	Wapella ".....	1,930
1,666.4	Burrows ".....	1,948
1,672.8	Whitewood ".....	1,966
1,679.8	Perceval ".....	2,038
1,681.5	Summit, rail.....	2,054
1,687.5	Broadview station.....	1,960
1,691.3	Weed Brook, bed, 1,920; rail.....	1,932
1,695.6	Oakshela station.....	1,952
1,703.5	Grenfell ".....	1,957
1,711.0	Summerberry ".....	1,938
1,718.7	Wolseley ".....	1,950

* The original location crossed the river at this point and continued in a north-westerly direction to the North Saskatchewan River, and beyond.

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
1,727.5	Sintaluta station.....	1,984
1,737.7	Indian Head ".....	1,924
1,747.4	Qu'Appelle ".....	2,134
1,756.0	McLean ".....	2,284
1,757.9	Summit, rail.....	2,286
1,765.0	Balgonie station.....	2,187
1,771.6	Pilot Butte ".....	2,016
1,780.2	Regina, junction with Prince Albert branch.....	1,885
1,782.2	Wascana River, rail.....	1,861
1,789.7	Grand Coulee station.....	1,857
1,792.3	Grand Coulee Brook, rail.....	1,842
1,797.1	Pense station.....	1,881
1,804.9	Belle Plaine station.....	1,902
1,813.8	Pasqua, junction with Pasqua branch.....	1,872
1,821.7	Moosejaw Brook, bed, 1,740; rail.....	1,761
1,821.9	Moosejaw station.....	1,767
1,830.1	Boharin ".....	1,792
1,838.1	Caron ".....	1,841
1,847.2	Mortlach ".....	1,961
1,856.4	Parkbeg ".....	1,982
1,866.5	Summit (on the Missouri Coteau), rail.....	2,282
1,866.8	Secretan station.....	2,276
1,875.0	Chaplin ".....	2,202
1,885.0	Ernfold ".....	2,288
1,887.8	Summit, rail.....	2,374
1,895.4	Morse station.....	2,274
1,904.2	Herbert ".....	2,311
1,908.8	Summit, rail.....	2,377
1,913.0	Rush Lake station.....	2,301
1,919.0	Summit, rail.....	2,420
1,920.3	Waldeck station.....	2,357
1,928.4	Aikins ".....	2,401
1,933.3	Swift Current Brook, water, 2,396; rail.....	2,414
1,934.2	Swift Current station.....	2,423
1,943.2	Leven ".....	2,468
1,948.4	Seward ".....	2,474
1,952.5	Goose Lake " (closed).....	2,465
1,955.8	Summit.....	2,586
1,955.9	Webb station.....	2,583
1,957.3	Depression, rail.....	2,542
1,959.1	Summit ".....	2,590
1,962.1	Antelope station.....	2,556
1,969.9	Gull Lake ".....	2,562
1,978.4	Carmichael (formerly Cypress) station.....	2,637
1,985.6	Tompkins station.....	2,614
1,989.0	Sidewood ".....	2,478
1,999.1	Crane Lake ".....	2,518
2,007.5	Summit, rail.....	2,568
2,009.5	Colley station.....	2,509
2,012.8	Summit, rail.....	2,565
2,020.3	Maple Creek station.....	2,495
2,020.8	Maple Creek, high water, 2,491; rail.....	2,495
2,029.5	Kincorth station.....	2,531
2,032.5	Summit, rail.....	2,546
2,039.1	Forres station.....	2,428
2,044.2	Cummings ".....	2,378
2,051.5	Walsh ".....	2,430
2,060.0	Summit, rail.....	2,522
2,061.9	Irvine station.....	2,493
2,076.4	Dunmore ".....	2,405
2,078.8	Dunmore junction, with Crow Nest branch.....	2,308
2,083.9	Medicine Hat station.....	2,171
2,084.2	South Saskatchewan River, low water, 2,137; high water, 2,154; rail.....	2,173
2,091.1	Stair station.....	2,431
2,098.7	Bowell ".....	2,575
2,099.3	Summit, rail.....	2,594
2,106.2	Depression, rail.....	2,384
2,110.2	Suffield station.....	2,455

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,118.8	Langevin station (summit).....	2,495
2,127.7	Kininivio ".....	2,429
2,136.9	Tilley ".....	2,462
2,142.9	Summit, rail.....	2,506
2,146.7	Bantry station.....	2,471
2,150.8	Water tank.....	2,474
2,156.7	Cassils station.....	2,517
2,164.3	Southesk ".....	2,501
2,173.5	Lathom ".....	2,559
2,181.1	Bassano ".....	2,589
2,188.0	Summit, rail.....	2,722
2,189.5	Crowfoot station.....	2,698
2,192.0	Summit.....	2,730
2,193.7	Crowfoot Brook, rail.....	2,689
2,200.1	Cluny station.....	2,850
3,208.4	Gleichen ".....	2,952
2,219.6	Water tank.....	3,032
2,221.0	Namaka station.....	3,012
2,224.7	Strathmore ".....	3,032
2,233.0	Cheadle ".....	3,189
2,243.1	Langdon ".....	3,201
2,248.4	Summit, rail.....	3,372
2,251.8	Depression, rail.....	3,333
2,253.7	Shepard station.....	3,369
2,256.5	Summit, rail.....	3,408
2,260.4	Bow River, water, 3,351; rail.....	3,373
2,262.5	Calgary junction, with Edmonton and McLeod branches.....	3,410
2,262.8	Elbow River, high water, 3,401; low water, 3,394; rail.....	3,410
2,263.7	Calgary station.....	3,428
2,270.3	Bow River, water, 3,492; bed, 3,484; rail.....	3,506
2,273.0	Keith station.....	3,553
2,286.5	Cochrane ".....	3,749
2,289.2	Mitford ".....	3,722
2,289.4	Bow River, high water, 3,695; low water, 3,692; bed, 3,687; rail.....	3,715
2,296.7	Radnor station.....	3,885
2,305.2	Morley ".....	4,067
2,315.4	Kananaskis River, water, 4,160; bed, 4,157; rail.....	4,202
2,316.6	Bow River, water, 4,188; rail.....	4,201
2,317.7	Kananaskis station.....	4,220
2,321.6	Lac des Ares (Bow River), water, 4,217; rail.....	4,222
2,325.5	"The Gap" siding.....	4,232
2,326.2	Bow River, water, 4,231; rail.....	4,236
2,330.8	Cannore station.....	4,284
2,336.6	Bow River, high water, 4,352; low water, 4,349; rail.....	4,359
2,337.6	" " " 4,370; " 4,367; " ".....	4,378
2,338.4	Duthil station.....	4,387
2,340.9	Anthracite ".....	4,490
2,341.7	Cascade River, bed, 4,520; rail.....	4,525
2,342.9	Summit, rail.....	4,573
2,345.4	Banff station.....	4,521
2,345.7	Forty-mile Brook, water, 4,512; bed, 4,511; rail.....	4,518
2,351.6	Cascade station.....	4,537
2,352.3	Muleshoe Lake, water, 4,532; rail.....	4,538
2,358.2	Bow River, water, 4,595; rail.....	4,601
2,360.1	Johnson Brook, high water, 4,636; low water, 4,633; rail.....	4,641
2,362.4	Castle Mountain station.....	4,660
2,370.0	Eldon station.....	4,817
2,372.0	Baker Brook, bed, 4,859; rail.....	4,864
2,377.6	Pipestone Brook, water, 4,956; bed, 4,954; rail.....	4,976
2,379.7	North branch Bow River, bed, 5,025; rail.....	5,035
2,380.0	Laggan station.....	5,037
2,381.2	South branch Bow River, water, 5,054; bed, 5,051; rail.....	5,064
2,381.4	Bath Creek, bed, 5,065; rail.....	5,073
2,385.8	Summit of Kicking Horse Pass, main divide, Rocky Mountains (highest point on the Canadian Pacific Railway).....	5,329
2,385.8	Summit Lake, water.....	5,317
2,386.1	Stephen station.....	5,321
2,388.5	Hector ".....	5,207

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,388.6	Kicking Horse Lake, water	5,204
2,389.1	Kicking Horse River, bed, 5,193; rail	5,204
2,393.1	Mount Stephen tunnel, rail	4,344
2,396.2	Field station	4,064
2,398.5	"Muskeg" summit, rail	4,172
2,401.6	Ottertail Brook, bed, 3,752; rail	3,864
2,403.4	Ottertail station	3,696
2,404.5	Kicking Horse River, bed, 3,674; rail	3,694
2,410.2	Leancoil station	3,579
2,412.2	Summit, ground, 3,631; rail	3,677
2,416.4	Kicking Horse River, water, 3,305; bed, 3,295; rail	3,318
2,417.9	Palliser station	3,283
2,423.2	Glenogle "	2,991
2,426.8	Kicking Horse River, water, 2,697; rail	2,713
2,430.2	Golden station	2,580
2,430.2	Columbia River, at mouth of Kicking Horse River, water	2,567
2,432.0	Bay of Columbia River, water, 2,554; rail	2,561
2,436.8	Moberly station	2,546
2,439.6	Blueberry River, bed, 2,553; rail	2,572
2,446.2	Donald station (by levels from Lake Superior)	2,574
2,446.2	" " Pacific Ocean)	2,586
2,447.0	Columbia River, 1st crossing, high water, 2,530; low water, 2,519; bed, 2,507; rail	2,566
2,448.5	Summit	2,601
2,449.9	Old Man Creek, bed, 2,520; rail	2,591
2,451.2	Redgrave station	2,540
2,458.4	Beavermouth "	2,435
2,461.3	Beaver River, bed, 2,529; rail	2,559
2,463.9	Six-Mile Creek station	2,617
2,468.9	Cedar station	3,143
2,471.7	Stony Creek, bed, 3,224; rail	3,501
2,473.2	Bear Creek station	3,673
2,475.1	Cascade Creek, bed, 3,859; rail	3,904
2,478.2	Rogers Pass station	4,204
2,480.0	Summit of Rogers Pass, Selkirk Mountains, ground, 4,361; rail	4,351
2,482.5	Glacier station	4,093
2,485.8	Illicilliwaet River, bed, 3,689; rail	3,714
2,487.0	" " 3,574; "	3,589
2,489.0	Ross Peak station	3,456
2,492.7	Illicilliwaet River, bed, 3,096; rail	3,105
2,497.3	" " 2,722; "	2,758
2,497.9	Illicilliwaet station	2,710
2,501.1	Illicilliwaet River, bed, 2,422; rail	2,481
2,504.5	Albert Canyon station	2,227
2,512.5	Twin Butte Creek, bed, 1,890; rail	1,951
2,514.3	Twin Butte station	1,907
2,518.4	Greeley Creek, high water, 1,690; bed, 1,687; rail	1,690
2,523.8	Illicilliwaet River, water, 1,611; bed, 1,593; rail	1,635
2,526.1	Revelstoke, junction with Arrow Lake branch	1,503
2,527.4	Columbia River, extreme high water, 1,450; low water, 1,432; bed, 1,424; rail	1,481
2,534.4	Summit of Eagle Pass, Gold Range, ground, 1,840; rail	1,832
2,534.9	Summit Lake, high water, 1,807; low water, 1,804; rail	1,811
2,535.1	Glenwilliam station	1,801
2,535.9	Victoria Lake, water, 1,746; rail	1,755
2,539.0	Three Valley Lake, water	1,631
2,540.8	Eagle River, water, 1,618; bed, 1,614; rail	1,626
2,543.1	Griffin Lake station	1,611
2,553.8	Craigellachie "	1,229
2,556.9	Eagle River, bed, 1,178; rail	1,199
2,562.7	" " 1,153; rail	1,176
2,570.0	Shuswap Lake, high water, 1,152; low water, 1,136; rail	1,157
2,570.2	Sicamous, junction with Shuswap and Okanagan branch	1,156
2,577.9	Mowitch station	1,179
2,588.8	Salmon Arm "	1,158
2,594.8	Kualt siding	1,159
2,596.2	Tappen station	1,161
2,601.6	303-mile siding	1,484

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,605.3	Notch Hill station (Shuswap summit), ground and rail	1,692
2,612.8	Squilax "	1,322
2,613.8	Trail Creek, bed, 1,217; rail	1,270
2,619.1	Chase Creek, bed, 1,172; rail	1,177
2,621.1	Shuswap station	1,154
2,637.1	Ducks "	1,156
2,646.2	Furrer "	1,161
2,654.3	Kamloops "	1,160
The original location of the Canadian Pacific turned northward at this point up the valley of the North Thompson River.		
2,660.0	Kamloops Lake, high water, 1,138; low water	1,110
2,662.8	Tranquille station	1,142
2,668.8	Cherry Creek "	1,142
2,679.5	Savona "	1,164
2,684.5	Summit, rail	1,291
2,686.3	Pennys station	1,260
2,692.8	Semlin "	1,156
2,695.7	Thompson River, high water, 998; low water	992
2,700.2	Thompson River at mouth of Bonaparte River, high water, 966; low water	959
2,701.5	Ashcroft station	1,004
2,707.5	Nelson Creek, bed, 910; rail	936
2,708.1	Basque station	895
2,714.4	Thompson River, high water, 865; low water	856
2,715.1	Spatsum station	859
2,720.1	Thompson River, high water, 824; low water	818
2,725.3	Nicola River, high water, 742; low water, 734; rail	756
2,726.9	Spences Bridge station	776
2,733.5	Drynoch "	760
2,735.1	Waggon road crossing	791
2,738.9	Nicoamen River, high water (June, 1882), 632; low water, 602; rail	678
2,740.8	Thompson station	678
2,744.1	Gladwin "	765
2,746.0	Summit, ground, 815; rail	786
2,749.1	Lytton station	695
2,755.3	Fraser River, high water (1876), 464; low water (Oct. 9, 1880), 417; rail	538
2,755.9	Kanaka station	563
2,757.9	Quoeck Creek, water, 498; rail	592
2,759.6	Skowash Creek, water, 437; rail	536
2,765.0	Keefers station	563
2,768.2	Salmon River, water (June 29, 1881), 361; rail	467
2,768.2	Fraser River, " " "	354
2,770.8	Chaumox station	568
2,773.2	Summit, ground, 544; rail	534
2,775.8	North Bend station	495
2,780.0	Fraser River, high water	364
2,781.2	Skuzzy River, bed, 374; rail	489
2,783.0	Fraser River, high water, 343; low water	319
2,789.6	Alexandra Bluff, rail	328
2,791.2	Spuzzum station	401
2,792.6	Spuzzum River, high water, 247; low water, 242; rail	373
2,796.0	Saddle Rock, rail	323
2,802.1	Fraser River, mouth of Yale Creek, high water, 179; low water	163
2,802.6	Yale station	223
2,809.1	Fraser River, high water, 142; ordinary water	136
2,814.6	" " 128; "	120
2,815.7	Hope station	216
2,818.2	Fraser River (opposite Huascar bluffs), high water, 100; ordinary water	97
2,823.6	Ruby Creek station	102
2,826.5	Fraser River, high water, 86; ordinary water	78
2,832.5	Fraser River, Maria Slough, high water, 61; ordinary water	51
2,834.4	Agassiz station	60
2,837.5	Fraser River, high water, 45; ordinary water	30
2,842.7	Harrison station	46
2,843.5	Harrison River, high water, 42; low water, 27; rail	49
2,845.0	Harrison Lake, high water, 42; low water	30
2,845.6	Squaakim Lake, water	52
2,849.4	Fraser River, high water	32
2,851.5	" " 29; low water	20

Miles from Montreal	CANADIAN PACIFIC RAILWAY—MAIN LINE	Elevation
<i>Montreal to Vancouver—Con.</i>		
2,852.3	Nicomen station	32
2,858.0	Dewdney "	30
2,858.4	Hatzic River, high water, 26; low water, 18; rail	32
2,861.8	Mission, junction with Mission branch	27
2,863.5	Fraser River, high water, 23; low water, 14; rail	27
2,869.1	Stave River, high water, 23; low water, 13; rail	30
2,869.2	Ruskin station	30
2,871.9	Wharrock "	22
2,878.7	Haney "	25
2,880.7	Hammond "	27
2,888.0	Westminster junction, with Westminster branch	34
2,889.5	Summit, ground 108; rail	93
2,892.6	Port Moody station	13
2,895.6	Barnett "	22
2,900.8	Hastings "	29
2,904.8	Vancouver "	11
CANADIAN PACIFIC RAILWAY—"SHORT LINE"		
Miles from St. John	<i>St. John to Montreal</i>	
0.0	St. John, Intercolonial Railway station	17.5
2.0	St. John River bridge, rail	85
2.3	Fairville station	103
6.3	West St. John station	15
4.6	South Bay "	37
6.0	Stevens "	45
6.9	Sutton "	75
7.7	Summit, rail	111
9.9	Grand Bay station	65
11.6	Ingleside "	75
12.3	Riverbank "	50
13.1	Ballentine "	33
13.9	Westfield Beach station	25
14.9	Lingley "	30
18.1	Nerepis "	30
19.7	Blagdon "	50
21.3	Eagle Rock "	75
23.8	Welsford "	85
24.0	Welsford Brook, bed, 62; rail	75
28.0	Summit, ground, 200; rail	194
28.2	Clarendon station	185
31.7	Gasperaux "	147
34.1	Enniskillen "	113
36.9	Hoyt "	57
38.1	Image Brook, bed, 34; rail	46
40.1	South Branch station	40
41.0	Oromocto River, high water, 31; low water, 14; rail	35
41.6	Bailey station	29
44.2	N.W. Branch Oromocto River, high water, 40; low water, 32; rail	65
44.4	Fredericton junction, with Fredericton branch	71
47.7	Tracey station	95
55.0	Green Point station	327
58.7	Summit	447
59.6	Cork station	420
65.0	Harvey "	493
66.8	Summit	519
70.9	Prince William station	465
73.5	Magaguadavic River, high water, 372; low water, 369; rail	409
75.2	Magaguadavic station	391
83.8	McAdam, junction with St. Stephen, St. Andrews and Edmundston branches	445
84.6	Summit	522
80.8	St. Croix station	387
90.0	St. Croix River (International Boundary), high water, 369; rail	387

Miles from St. John	CANADIAN PACIFIC RAILWAY—"SHORT LINE"	Elevation
<i>St. John to Montreal—Con.</i>		
90.1	Maine Central Railroad { Vanceboro, Me., station (Can. Pac. Ry. levels).....	387
95.1	" { Lambert Lake, Me., " (Maine Central R.R. levels).....	394
102.3	" { Tomah " " ".....	417
106.6	" { Forest " " ".....	355
111.2	" { Eaton " " ".....	435
116.2	" { Danforth " " ".....	400
125.5	" { Bancroft " " ".....	380
128.7	" { Wytapitlock " " ".....	334
137.9	" { Kingman " " ".....	344
146.1	" { Mattawamkeag, Me., station (Maine Central R.R. levels).....	325
146.4	" { Penobscot River, high water, 199; low water, 190; bed, 178; rail.....	205
153.7	" { Chester station.....	223
156.1	" { Madunkicunk Brook, bed, 194; rail.....	219
160.8	" { Seebois Brook, high water, 193; low water (July, 1883), 187; rail.....	199
167.1	" { Seebois station.....	196
171.7	" { Perkins ".....	255
173.7	" { Hardy Pond station.....	398
176.9	" { Packard Brook, water, 333; bed, 331; rail.....	350
178.4	" { Schoodic Lake, high water, 336; rail.....	447
179.3	" { Lakeview station.....	460
180.2	" { Schoodic Lake siding.....	502
183.9	" { Knights station.....	519
184.8	" { Summit, ground, 551; rail.....	534
188.9	" { Brownville junction.....	389
189.4	" { Bangor and Aroostook R.R. crossing.....	396
193.2	" { Williamsburg station.....	623
197.5	" { Barnard ".....	768
203.4	" { Summit.....	782
206.1	" { Ship Pond viaduct, high water, 537; low water, 530; bed, 527; rail.....	647
206.7	" { Onawa station.....	639
208.2	" { Greenwood Brook, bed, 643; rail.....	667
215.7	" { Elliot station.....	1,029
217.5	" { Wilson Brook, water, 906; bed, 903; rail.....	1,022
220.0	" { McFarlane siding.....	1,018
220.1	" { Summit.....	1,128
222.3	" { Greenville junction.....	1,059
233.0	" { Moosehead Lake, high water, 1,036; low water.....	1,031
233.1	" { Moosehead station.....	1,041
240.6	" { Kennebec River (east outlet Moosehead Lake), high water, 1,030; low water, 1,025; bed, 1,022; rail.....	1,041
240.7	" { Askwith station.....	1,116
240.7	" { Misery Brook, high water, 1,102; low water, 1,097; rail.....	1,116
249.2	" { Mackamp station.....	1,176
255.1	" { Long Pond ".....	1,181
262.5	" { Jackman " (summit).....	1,228
264.5	" { Moose River, bed, 1,158; rail.....	1,181
267.5	" { Attean station.....	1,259
274.5	" { Holeb Brook, bed, 1,232; rail.....	1,251
275.2	" { Holeb station.....	1,253
281.2	" { Franklin ".....	1,336
283.9	" { Skinner ".....	1,419
284.8	" { Caswell ".....	1,446
286.5	" { Lowellton ".....	1,605
290.6	" { Boundary " (International Boundary), ground, 1855; rail.....	1,852
290.7	" { Summit, rail.....	1,854
293.2	" { Keen station (closed).....	1,727
294.8	" { Stearns ".....	1,619
295.9	" { Trudel ".....	1,597
299.8	" { Ditchfield ".....	1,476
302.0	" { Summit, rail.....	1,486
306.0	" { Megantic station.....	1,314
306.3	" { Chaudière River, bed, 1,295; rail.....	1,313
306.8	" { Junction with Megantic branch of Quebec Central Ry.....	1,324
308.1	" { Echo Vale crossing.....	1,455
310.7	" { Brook, rail.....	1,562
314.3	" { Spring Hill station.....	1,690

Miles from St. John	CANADIAN PACIFIC RAILWAY—"SHORT LINE"	Elevation
<i>St. John to Montreal -Con.</i>		
316.2	Summit, rail	1,698
317.3	Depression, rail	1,599
320.8	Milan station (summit)	1,646
323.8	Otter Brook, bed, 1,494; rail	1,500
324.7	McLeod station	1,469
325.3	Spruce "	1,466
329.7	Brook, bed, 1,228; rail	1,239
330.9	Scotstown station	1,193
331.1	Salmon River, water, 1,173; bed, 1,169; rail	1,191
332.8	Brook, bed, 1,049; rail	1,069
336.2	Gould station (summit)	1,302
338.5	Crawford Brook, bed, 1,203; rail	1,213
339.7	Summit, rail	1,267
344.2	Bury station	1,065
352.5	Eaton River, bed, 654; rail	676
353.0	Maine Central R.R. crossing	688
353.3	Cookshire station	684
358.0	Birchton "	971
359.4	Summit, rail	1,003
360.7	Bulwer station	930
364.2	Johnville "	852
366.1	Bowen Brook, bed, 515; rail	547
370.9	Massawippi River, bed, 477; rail	494
371.5	Lennoxville station	498
371.7	Grand Trunk Ry. crossing	498
373.7	Sherbrooke station	604
376.0	Magog River, water (July 20, 1893), 585; high water, 586; low water, 583; bed, 569; rail	597
378.8	Brook, bed, 617; rail	643
381.0	Rock Forest station	701
382.0	Summit, ground, 712; rail	708
383.2	Lake Park siding	660
383.4	Little Magog Lake, water, 634; rail	649
386.8	Lake siding	673
390.5	Summit, ground, 697; rail	691
	Lake Memphremagog, water (July 3, 1893)	682
392.5	Magog River, water (July 3, 1893), 682; rail	692
392.6	Magog station	689
393.1	Cherry River, water, 682; 672; rail	689
395.5	Castle Brook, water, 761; bed, 760; rail	814
397.1	Milletta station	893
399.6	Summit, ground, 961; rail	941
400.0	Orford Lake, water (June 20, 1893), 922; high water, 923; low water, 917; rail	933
401.5	Orford Mountain Ry. overhead crossing, Orford Mt. Ry., rail, 822; Can. Pac. Ry., rail	868
402.0	Missisquoi River, water, 813; bed, 803; rail	867
403.0	Orford Mountain Ry. switch	909
403.1	Pastman station	911
404.6	Summit, rail	934
406.2	Stukely Brook, high water, 786; low water, 783; rail	844
406.6	South Stukely station	837
409.3	Brook, water, 706; bed, 704; rail	733
411.4	Foster, junction with Drummondville branch	697
412.2	Brook, bed, 659; rail	681
414.8	Fulford station	585
417.9	Brook, bed, 439; rail	470
418.9	North branch Yamaska River, water, 403; bed, 399; rail	436
420.1	West Sheffield station	430
425.7	Beaver Meadow Brook, bed, 315; rail	330
427.2	Adamsville station	376
427.4	Summit, ground, 386; rail	379
429.5	Brook, bed, 290; rail	305
431.3	Brigham junction, with Newport branch	269
431.5	South branch Yamaska River, water, 243; rail	266
432.9	Farndon station (closed)	251
437.3	St. Guillaume branch switch	204
437.7	Farnham, junction with St. Guillaume and Stanbridge branches	192

Miles from St. John	CANADIAN PACIFIC RAILWAY—"SHORT LINE"	Elevation
<i>St. John to Montreal—Con.</i>		
437.9	Montreal, Portland and Boston Ry. (Central Vermont R.R.) crossing.....	185.5
441.9	River Sud-Ouest, bed, 157; rail.....	172
442.0	Ste. Brigide station.....	165
444.3	Versailles ".....	176
445.6	Summit.....	195
450.3	Iberville junction, with United Counties Ry..	115
450.9	Iberville station.....	111
451.1	Richelieu River, low water, 93.17; extreme high water (1865), 100.20; mean water (1863-70), 95.65; rail.....	114
451.4	St. Johns station.....	116
452.6	Grand Trunk Ry., Rouse Point branch, crossing.....	115
454.8	Summit.....	149
455.9	L'Acadie station.....	131
456.6	Little Montreal River, bed, 98; rail.....	126
460.4	Summit.....	135
462.2	St. Lambert River, bed, 92; rail.....	116
462.6	St. Philippe de Laprairie station.....	117
466.1	River La Tortue, bed, 83; rail.....	100
466.7	Grand Trunk, Massena Springs branch, crossing.....	93
467.4	St. Constant station.....	94
467.6	St. Régis River, bed, 85; rail.....	98
469.8	Summit.....	105
472.0	Adirondack junction, with New York Central R.R.....	9
473.5	River St. Lawrence, high water, 71.16; low water, 64.12; top of rail, main span.....	7
473.8	Highlands station.....	117
474.6	Lachine Canal, water, 65.7; rail.....	114
476.4	St. Luc junction.....	158
476.0	Montreal junction.....	155
480.8	Montreal, Windsor Street station.....	109.35
CANADIAN PACIFIC RAILWAY -FREDERICTON BRANCH		
Miles from Fredericton Junction	Fredericton junction, with main line, St. John to Montreal, 44.4 miles from St. John.....	71
0.0	Three Tree Brook, rail.....	36
2.8	Three Tree Creek station.....	43
3.0	Rusiagornis station.....	38
8.2	Rusiagornis River, rail.....	34
9.3	Nason station.....	38
11.3	Waasis ".....	59
12.1	Wood siding.....	91
14.1	Glasier station.....	73
16.8	Summit.....	127
18.6	Doak station.....	125
18.8	Morrison ".....	76
20.7	Salamanca ".....	45
21.2	Fredericton station.....	41
22.2		
CANADIAN PACIFIC RAILWAY-ST. ANDREWS BRANCH		
Miles from St. Andrews	St. Andrews, wharf.....	12
0.0	" station.....	23
2.2	Bar Road ".....	20
4.5	Chamcook ".....	86
6.9	Dougherty ".....	141
10.4	Bartlett ".....	113
12.7	Waweig ".....	139
14.6	Roix Road ".....	203
17.0	Shore Line Ry. crossing.....	274
18.6	Summit.....	297
18.8	Hewitt station.....	295
21.2	Rolling Dam station.....	233
24.2	Dumbarton ".....	224
27.5	Watt, junction with St. Stephen branch.....	305
2		

Miles from St. Stephen	CANADIAN PACIFIC RAILWAY—ST. STEPHEN BRANCH	Elevation
	St. Stephen, wharf	12
0·0	" station	12
1·0	Shore Line transfer	40
1·2	Milltown junction, with Milltown branch	51
4·9	Maxwell station	181
8·7	Moore Mills "	291
14·8	Meadows "	254
19·2	Watt, junction with St. Andrews branch	305
20·2	Lawrence station	326
25·6	Barber Dam station	411
27·0	Digdeguash River, water, 394 ; bed, 382 ; rail	400
30·5	Flood siding	426
33·0	Summit, rail	470
33·9	McAdam, junction with "Short Line," St. John to Montreal, 83·8 miles from St. John	445
Miles from Milltown Junction	CANADIAN PACIFIC RAILWAY—MILLTOWN BRANCH	
0·00	Milltown junction, with St. Stephen branch, 1·2 miles from St. Stephen	51
2·00	Summit	144
4·64	Milltown, junction with St. Croix and Penobscot R. R.	51
	St. Croix River at bridge, water	43
Miles from McAdam	CANADIAN PACIFIC RAILWAY—EDMUNDSTON BRANCH	
0·0	McAdam, junction with "Short Line," 83·8 miles from St. John	445
2·0	Maudslay station	417
5·1	Summit, rail	486
6·4	Cottrell station	476
7·8	Cranberry Brook, bed, 436 ; rail	457
9·6	Sugar Brook station	466
14·8	Summit	547
15·8	Deer Lake station	531
17·7	Shogomoc "	526
22·1	Canterbury "	556
22·6	Summit	565
23·4	Grant station	545
25·3	Craig "	485
26·8	Scott "	464
31·7	Murchie "	387
32·7	Benton "	406
32·7	Kel River, bed, 390 ; rail	406
38·1	Summit	599
40·0	Debec, junction with Houlton branch	539
44·6	Teeds Mill station	376
46·3	Dibblee "	303
50·7	Woodstock "	134
51·1	Meduxnekeag River, bed, 99 ; rail	136
51·3	Woodstock, Queen St. station	136
53·1	Upper Woodstock "	143
53·2	St. John River, low water, 99 ; rail	137
57·1	Newburg, junction with Gibson branch (summit)	266
60·0	Nixon station	151
61·4	Deep Creek station	131
63·6	Hartland "	151
66·0	Itale "	189
66·9	Peel "	163
69·8	Stickney Brook, bed, 138 ; rail	161
74·4	Florenceville station	175
77·5	Bristol "	183
80·7	Bath "	201
81·1	Manquast River, bed, 158 ; rail	196
84·7	Beechwood station	218
87·7	Browne "	261
89·3	River de Clute station	279
91·5	Muniac "	229
92·6	Kilburn "	271
99·8	Perth, junction with Tobique branch	243

Miles from McAdam	CANADIAN PACIFIC RAILWAY—EDMUNDSTON BRANCH	Elevation
100.0	St. John River, high water, 237; rail.....	246
101.0	Andover station.....	257
105.4	Aroostook, junction with Aroostook branch.....	271
108.1	Griffin station.....	294
114.0	Limestone ".....	327
116.3	Ortonville ".....	352
121.2	Rapide de Femme tank.....	330
123.6	Summit.....	506
125.9	Grand Falls station.....	498
124.8	St. John River, low water, 413; rail.....	464
130.1	Martin station.....	460
135.7	Eglise ".....	480
136.7	St. Leonards station.....	504
138.7	Grand River ".....	432
140.6	Siegas ".....	442
144.8	St. Anns ".....	450
145.8	Quisibis River, bed, 429; rail.....	450
152.0	Green River, high water, 448; low water, 429; bed, 418; rail.....	451
152.8	Green River station.....	478
157.9	St. Basil ".....	474
161.8	Summit " (closed).....	499
162.6	Edmundston, junction with Temiscouata Railway.....	468
Miles from Aroostook	CANADIAN PACIFIC RAILWAY—AROOSTOOK BRANCH	
0.0	Aroostook, junction with Edmundston branch, 105.4 miles from McAdam....	271
0.7	International Boundary.....	361
5.9	Fort Fairfield tank, Maine.....	345
7.4	" station ".....	351
9.7	Stevens Mill " ".....	356
11.5	Weeks " ".....	371
12.3	Scates " ".....	392
14.6	East Lyndon " ".....	416
15.6	Hurd " ".....	419
19.3	Caribou " ".....	426
23.5	Caribou tank ".....	403
24.5	Roberts station ".....	429
27.4	Parkhurst " ".....	411
30.7	Daggett " ".....	418
34.0	Presque Isle " ".....	491
Miles from Debec	CANADIAN PACIFIC RAILWAY—HOULTON BRANCH	
0.0	Debec, junction with Edmundston branch, 40.0 miles from McAdam.....	539
3.6	Greenville station.....	582
5.0	International Boundary.....	519
8.0	Houlton station, Maine.....	466
Miles from Perth	CANADIAN PACIFIC RAILWAY—TOBIQUE BRANCH	
0.0	Perth, junction with Edmundston branch, 99.8 miles from McAdam.....	243
3.0	Millicote station.....	268
3.8	Lovely Brook, bed, 266; rail.....	295
4.0	De Merchant station.....	323
5.8	Pokiok Brook, bed, 273; rail.....	306
6.0	Tobique Narrows station.....	301
7.0	Rowena ".....	291
8.0	Quaker Brook ".....	275
8.1	Quaker Brook, bed, 256; rail.....	267
9.5	Currie station.....	282
11.2	Big Island Brook, water, 289; bed, 286; rail.....	323
12.1	Hillside station.....	308
13.7	Red Rapids ".....	338
14.2	Trout Brook, water, 303; bed, 305; rail.....	323
14.6	Otellock Brook, water, 303; bed, 300; rail.....	316
15.9	Arthurette station.....	343
18.3	Odell River ".....	345
21.3		

Miles from Perth	CANADIAN PACIFIC RAILWAY—TOBIQUE BRANCH	Elevation
18.5	Odell Brook, extreme freshet, 328; water, 320; rail.....	332
21.8	Reed Island station.....	370
24.2	Three Brooks ".....	380
25.9	Wapskehegan River, extreme freshet, 357; ordinary water, 353; rail.....	365
26.2	Arbuckle station.....	370
28.0	Plaster Rock ".....	379
Miles from Fredericton	CANADIAN PACIFIC RAILWAY—GIBSON BRANCH	
0.0	Fredericton station.....	41
1.5	St. John River, high water, 18.3; extreme high water, 33.8; extreme low water, 10.3; rail, centre of draw span.....	41.3
1.8	Gibson station.....	35
2.9	St. Marys ".....	39
4.2	Douglas ".....	52
4.3	Nashwaaksis River, water, 28; bed, 23; rail.....	41
7.6	Spring Hill station.....	68
11.9	Rockland ".....	49
13.6	Keswick ".....	38
18.1	Cardigan ".....	60
19.3	Smith Corner ".....	70
21.6	Zealand ".....	105
25.1	Stoneridge ".....	146
27.7	Burnside ".....	216
29.3	Inches ".....	269
30.2	Upper Keswick station.....	273
33.6	Burt Lake ".....	529
33.8	Summit, rail.....	538
36.1	Cahill station.....	466
38.4	North-east branch Nacawicac River, bed, 374; rail.....	382
38.6	Hainesville station.....	384
40.2	Millville ".....	485
41.9	Gravel Hill siding.....	497
42.8	Woodstock Road station (summit of grade near station, 558).....	546
44.5	Nackawic station.....	464
44.9	Nackawic Mill switch (depression).....	445
48.7	County Line station.....	529
50.2	Fall Brook ".....	561
50.7	Carrs Mill ".....	578
53.4	Summit.....	641
53.6	Havelock station.....	631
58.4	Newburg, junction with Edmundston branch, 57.1 miles from McAdam.....	266
Miles from Sutton Junc.	CANADIAN PACIFIC RAILWAY—DRUMMONDVILLE BRANCH	
0.00	Sutton junction, with Newport Branch, 49.45 miles from Montreal.....	553
2.54	South branch Yamaska River, water (July, 1892), 618; rail.....	661
3.63	Brome Corner station.....	678
6.67	North branch Yamaska River, water (July, 1892), 651; bed, 647; rail.....	681
6.86	Knowlton station.....	681
8.35	Brome Lake, water (July 7, 1892), 649; rail.....	667
9.22	Summit.....	673
11.34	Brook, water, 648; bed, 639; rail.....	651
12.14	Foster, junction with "Short Line," 411.4 miles from St. John.....	697
14.32	Summit, ground, 758; rail.....	755
15.96	Central Vermont R.R. crossing.....	710
16.59	Waterloo station.....	677
16.65	North branch Yamaska River, bed, 668; rail.....	675
18.95	Brook, water, 668; bed, 665; rail.....	675
19.07	Warden station.....	674
21.80	Brook, water, 523; bed, 520; rail.....	534
23.44	Lincoln Brook, bed, 489; rail.....	517
25.14	Savage Mills station.....	567
26.65	Summit, ground, 616; rail.....	610
28.96	South Roxton station.....	515
29.60	Depression, ground, 493; rail.....	499
30.60	Summit, ground, 540; rail.....	534
35.88	Black River, water, 334; bed, 327; rail.....	346

Miles from Sutton Junc.	CANADIAN PACIFIC RAILWAY--DRUMMONDVILLE BRANCH	Elevation
35.99	Roxton Falls station	347
37.70	Little River, water, 254; bed, 253; rail	273
41.73	Acton station	317
41.95	Grand Trunk Ry., Eastern Division, main line, crossing	318.5
42.23	Moose River, high water, 307; water (July 1892), 300; bed, 298; rail	311
47.10	Summit, ground, 458; rail	456
49.10	Brook, bed, 345; rail	355
50.27	Wickham station	378
52.27	Black River, high water, 283; water, 277; bed, 270; rail	302
54.87	Intercolonial Ry. crossing	290
59.22	Drummondville, junction with L'Avenir branch (disused)	266
59.80	Black River, high water, 250; water, 245; bed, 240; rail	267
64.05	St. Germain station	283
64.65	Summit, ground, 310; rail	306
68.92	Boulogne station	211
69.87	River David, bed, 210; rail	217
74.73	St. Guillaume, junction with St. Guillaume branch	143
74.98	Brook, bed, 119; rail	137
75.94	River David, bed, 99; rail	133
77.30	" " " 96; "	127
81.46	St. David station	93
82.72	Brook, bed, 52; rail	86
85.62	Yamaska East, junction with Great Eastern Ry.	53
Not operated.		
Miles from Farnham.	CANADIAN PACIFIC RAILWAY--STANBRIDGE BRANCH	Elevation
0.0	Farnham, junction with "Short Line," 437.7 miles from St. John	192
3.6	St. Sabine station	193
9.1	Mystic "	180
11.5	Bedford "	177
13.8	Stanbridge "	167
Miles from Farnham	CANADIAN PACIFIC RAILWAY--ST. GUILLAUME BRANCH	Elevation
0.00	Farnham, junction with "Short Line," 437.7 miles from St. John	192
0.37	Central Vermont R.R. crossing	208
0.41	Yamaska River, water (May 1885), 188; rail	213
5.61	L'Ange Gardien East station	235
6.58	Summit, ground, 247; rail	243.5
9.66	Papineau station	212
11.54	Abbotsford "	209
12.29	Summit "	231
16.20	Black River, water (May, 1885), 104; rail	132
16.41	St. Pie station	131
24.75	St. Hyacinthe station	108
26.47	Grand Trunk Ry., Eastern Division, main line, crossing	111
27.34	Ste. Rosalie station	107
28.66	Brook, bed, 88; rail	109
31.75	" water, 100; bed, 97; rail	116
33.10	St. Simon station	118
37.97	River Chibouet, water (June 1885), 51; bed, 46; rail	111
38.14	St. Hugues station	113
40.95	Cavignac "	118
41.03	River des Foins, water, 103.5; rail	119
43.18	St. Prime station	124
46.81	St. Guillaume, junction with Drummondville branch, 74.73 miles from Sutton junction	143
Miles from Drummond- ville	CANADIAN PACIFIC RAILWAY--L'AVENIR BRANCH (disused)	Elevation
	Drummondville, junction with Drummondville branch, 59.80 miles from Sutton junction	266
0.00	L'Avenir branch switch	296
2.62	Onion Brook, bed, 301; rail	315
5.05	Saw-mill switch	360
5.13	End of rails	362
8.48	Brook, bed, 368; grade	402
10.26	End of grade	430

Miles from Montreal	CANADIAN PACIFIC RAILWAY—NEWPORT BRANCH	Elevation
49.45	Brigham junction, with "Short Line," 431.3 miles from St. John.....	269
50.47	Brigham station.....	297
53.39	East Farnham station.....	346
54.58	South branch Yamaska River, water, 304; bed, 301; rail.....	329
55.33	Stream, water (Dec. 1891), 320; bed, 317; rail.....	343
56.41	Cowansville station.....	377
58.48	Sweetsburg ".....	441
58.75	Summit.....	448
59.85	Stream, water, 385; bed, 373; rail.....	407
61.28	West Brome station.....	412
62.11	South branch Yamaska River, water (Dec. 1891), 409; bed, 406; rail.....	430
65.67	Sutton junction, with Drummondville branch.....	553
65.73	Drummondville branch switch.....	559.5
67.22	Summit, rail.....	643.5
68.85	Sutton station.....	582
68.93	Brook, water, 572; bed, 570; rail.....	581
70.00	" " 545; " 544; ".....	551
71.96	" " 493; " 492; ".....	504
74.30	Abercorn station.....	487
75.70	International Boundary.....	491.5
76.82	Richford station, Vt.....	502
77.83	Missisquoi River, water, 443; bed, 440; rail.....	474.5
78.04	Central Vermont Ry. junction, Vt.....	479
80.14	Stevens Mills station, Vt.....	497
82.05	East Richford " Vt.....	512
82.08	International Boundary.....	512.5
85.01	Glen Sutton station.....	526
91.09	Mansonville ".....	516
93.51	North Troy " Vt.....	604.5
93.82	High bridge, water, 515; bed, 510; rail.....	582
100.14	Newport Centre station, Vt.....	777
102.33	Summit siding, Vt.....	926
103.00	Summit, ground, 974; rail.....	946
107.35	Lake Monphrenagog, water (Feb. 3, 1892), 682; rail.....	687.5
107.90	Newport, Vt., junction with Boston and Maine R.R.....	689
CANADIAN PACIFIC RAILWAY—QUEBEC SECTION		
0.0	Montreal, Place Viger station.....	58.49
12.6	St. Martin junction, with main line, Montreal to Vancouver.....	110
17.6	St. Vincent de Paul station.....	75
22.7	Rivière Jésus or Mille Îles, water, 30; bed, 20; rail.....	58
23.1	Terrebonne station.....	63
26.8	St. Henri de Mascouche station.....	66
27.4	Mascouche River, bed, 28; rail.....	65
28.2	Cabane Ronde Brook, bed, 44; rail.....	59
30.0	Cabane Ronde station.....	61
35.4	L'Épiphanie ".....	76
36.0	L'Achigan River, bed, 22; rail.....	76
37.1	River St. Esprit, bed, 28; rail.....	72
38.3	L'Assomption River, bed, 19; rail.....	66
39.4	Vauchese station.....	79
43.1	Lavaltrie ".....	89
48.4	Joliette junction, with Joliette branch.....	73
48.9	Lanoraie station.....	76
55.5	Chaloupe River, bed, 24; rail.....	60
56.6	Berthier junction, with Berthier branch.....	40
57.0	Bayonne River, bed, 15; rail.....	41
60.0	St. Cuthbert station.....	41
64.3	St. Barthélemi ".....	36
70.1	Maskinongé River, high water, 29; low water, 23; rail.....	52
70.3	Maskinongé station.....	53
74.4	Louiseville ".....	46
74.7	River du Loup, water, 24; bed, 13; rail.....	48
80.0	Yamachiche station.....	37
81.5	Yamachiche River, water, 33; bed, 26; rail.....	46
84.1	River aux Glaises, water, 30; bed, 28; rail.....	41
87.0	Pointe du Lac station.....	72
93.0	River Aubrey, bed, 30; rail.....	40

Miles from Montreal	CANADIAN PACIFIC RAILWAY—QUEBEC SECTION	Elevation
95.0	Three Rivers station	55.7
96.2	River St. Maurice, water, 22; bed, —6; rail.	67
97.6	Piles junction, with Piles branch	127
107.6	Champlain station	51
109.2	Champlain River, bed, 17; rail.	45
114.6	Batiscan station	37
115.1	Batiscan River, water, 35; bed, 7; rail	42
119.2	Ste. Anne River (west bridge), water, 27; bed, 10; rail	40
119.4	" " (east bridge), water, 25; bed, 6; rail	41
119.8	Ste. Anne de la Pérade station	42
127.0	Grondines station	128
129.0	Petite Lachevrotière River, water, 106; bed, 99; rail.	113
129.9	Summit, rail	138
130.1	Lachevrotière station	107
130.3	Lachevrotière River, water, 93; bed, 79; rail	107
131.5	Belle Ile River, water, 113; bed, 105; rail.	119
133.4	Deschambault station	182
137.7	Portneuf station (summit)	197
138.6	Portneuf River, water, 95; bed, 87; rail	169
140.4	Summit, rail	229
142.2	St. Bazile station.	205
142.7	Depression, rail	195
146.9	Pont Rouge station	356
147.5	Jacques Cartier River, water, 288; bed, 275; rail	340
148.8	River aux Pommes, water, 331; bed, 318; rail	342
151.2	River Noire, water, 353; bed, 340; rail.	360
153.6	Summit station	411
158.8	Cap Rouge River, water, 182; bed, 172; rail.	190
159.1	Belair station.	189
163.6	Champigny River, water, 119; bed, 117; rail.	143
165.0	Lorette station.	87
167.6	Lake St. John Ry. junction (old)	50
172.4	Quebec station	20.02
Miles from Three Rivers	CANADIAN PACIFIC RAILWAY—PILES BRANCH	Elevation
0.0	Three Rivers	55.7
2.6	Piles junction with Quebec section, 97.6 miles from Montreal.	127
8.3	River Champlain, water, 135; bed, 132; rail.	154
9.3	St. Maurice station	184
11.1	Radnor "	254
13.8	St. Narcisse "	384
20.2	Summit.	449
20.9	Lac à la Tortue station.	439
23.8	Garneau, junction with Great Northern Railway.	447
24.9	Summit	506
26.4	St. Tito junction, with Great Northern Railway.	504
29.5	Grandes Piles station	345
Miles from Piles Junc.	CANADIAN PACIFIC RAILWAY—CAP DE LA MAGDELEINE BRANCH	Elevation
0.0	Piles junction, with Quebec section, 97.6 miles from Montreal.	127
2.5	End of branch at mills	49
Miles from Berthier Junc.	CANADIAN PACIFIC RAILWAY—BERTHIER BRANCH	Elevation
0.0	Berthier junction, with Quebec section, 56.6 miles from Montreal.	40
2.0	Berthier station.	31
Miles from Joliette Junc.	CANADIAN PACIFIC RAILWAY—JOLIETTE BRANCH	Elevation
0.0	Joliette junction, with Quebec section, 48.4 miles from Montreal	73
6.3	Joliette station	196
7.6	Great Northern Railway crossing	205
12.0	St. Emile station.	239
17.1	St. Félix "	372

Miles from Joliette Junc.	CANADIAN PACIFIC RAILWAY—JOLIETTE BRANCH	Elevation
19.2	River Bayonne, water, 366; rail	400
21.2	St. Cléophas station	470
27.4	Summit	629
28.1	St. Gabriel station	607
Miles from St. Gabriel	<i>Proposed Extension.</i>	
0.0	St. Gabriel station	607
1.9	Depression	507
5.3	Maskinongé River, water, 471; rail	501
Miles from Ste. Thérèse	CANADIAN PACIFIC RAILWAY—ST. JEROME BRANCH	
0.0	Ste. Thérèse, junction with main line, 19.8 miles from Montreal	120
2.1	St. Lin junction	219
7.6	St. Janvier station	217
12.1	Great Northern Railway crossing	262
13.6	St. Jérôme station	308
16.0	Stream, bed, 342; rail	382
21.4	Lesage station	586
21.9	Lac des Îles Brook, bed, 557; rail	602
22.3	Shawbridge station	599
23.0	Shaw Brook, bed, 531; rail	563
24.6	Montfort junction, with Montfort Colonization Railway	528
26.5	Piedmont station	552
29.5	Ste. Adèle "	637
34.1	Ste. Margaret station	900
35.6	Indian Mountain summit, ground, 1,073; rail	1,025
36.1	Bay of North River, bed, 1,000; rail	1,009
37.4	Lac de la Fourche, water, 1,006; rail	1,016
37.5	Val Morin station	1,025
40.0	Bélisle Mill station	1,059
42.9	River du Nord, bed, 1,094; rail	1,103
44.0	Ste. Agathe station	1,194
45.0	Summit, at road crossing	1,250
45.7	River aux Sables, bed, 1,185; rail	1,193
47.3	Manitou Brook, bed, 1,186; rail	1,197
47.7	Ivry station	1,213
51.9	Bay of Black River, bed, 1,229	1,235
53.8	Black Brook, bed, 1,343; rail	1,359
51.9	Nantel station	1,269
52.3	Durnford "	1,281
53.7	Labarge Mill station	1,345
56.0	Summit, ground, 1,426; rail	1,403
57.4	St. Faustin station	1,257
60.8	Clear Brook, bed, 891; rail	923
60.9	Morrison station	895
63.6	Black Brook, bed, 781; rail	794
65.4	St. Jovite station	704
67.5	Devil River, high water, 660; low water, 648; rail	686
70.1	Mount Tremblant station	748
70.1	Sam Brook, bed, 714; rail	728
71.3	Lake Sam, ice (Feb., 1888), 740; rail	746
73.3	Summit Lake, water, 761; rail	764
73.4	Summit, ground, 777; rail	768
74.2	Conception station	722
77.1	Bank of River Rouge, rail	734
80.5	Labelle station	749
80.8	Chute aux Iroquois road crossing	746
83.3	End of profile	744
Miles from Ste. Thérèse	CANADIAN PACIFIC RAILWAY—ST. EUSTACHE BRANCH	
0.0	Ste. Thérèse, junction with main line, 19.8 miles from Montreal	120
6.0	St. Eustache station	98

Miles from St. Lin Junc.	CANADIAN PACIFIC RAILWAY—ST. LIN BRANCH	Elevation
0·0	St. Lin junction, with St. Jérôme branch, 2·1 miles from Ste. Thérèse.....	219
1·3	Summit.....	231
5·3	Mascouche River, bed, 145; rail.....	192
5·6	Mascouche station.....	181
7·4	River Ste. Anne, bed, 157; rail.....	187
7·5	Ste. Anne des Plaines station.....	189
8·3	Summit.....	231
10·6	La Plaine station.....	188
14·8	River L'Achigan, bed, 158; rail.....	197
14·9	St. Lin station.....	206
Miles from Buckingham	CANADIAN PACIFIC RAILWAY—BUCKINGHAM BRANCH	
0·0	Buckingham junction, with main line, 99·7 miles from Montreal.....	183
3·4	Summit, ground, 446; rail.....	440
3·6	Buckingham village.....	437
4·1	Buckingham landing.....	423
4·1	Bed of stream, about level of ordinary water, River du Lièvre.....	413
Miles from Sudbury	CANADIAN PACIFIC RAILWAY—SAULT STE. MARIE BRANCH	
0·0	Sudbury, junction with main line, 442·7 miles from Montreal.....	850
	By levels from Montreal.....	855
	Algonia.....	848
3·4	Copper Cliff junction.....	865
7·8	Summit, rail.....	799
9·3	Brook, bed, 772; rail.....	804
11·1	Naughton station.....	816
12·6	Summit, ground, 847; rail.....	786
16·1	Vernilion River, water, 760; rail.....	808
18·3	Whitefish station.....	775
25·0	Worthington ".....	719
32·0	Nairn ".....	670
35·7	Spanish River, water, 634; rail.....	688
40·5	Stanley station.....	661
48·1	Webbwood ".....	646
49·1	Birch Brook, bed, 582; rail.....	636
58·0	Sable River, bed, 572; rail.....	637
58·2	Massey station.....	683
65·7	Summit, rail.....	668
66·0	Wolford station.....	586
70·4	Depression, rail.....	608
71·5	Spanish station.....	664
78·3	Kennabutch ".....	691
80·2	Summit.....	592
82·5	Spanish River, water, 580; rail.....	580·12
	Lake Huron, high water, 583·26; low water, 578·52; mean water, (1871-1895).....	599
87·3	Spragge (formerly Cooks Mills) station.....	605
88·9	Summit.....	602
95·0	Algonia station.....	603
102·2	Blind River ".....	607
106·2	Mississauga River, extreme high water, 592; low water, 581; rail.....	629
112·6	Dean Lake station.....	607
121·7	Dayton ".....	660
130·8	Summit.....	599
133·0	Thessalon station.....	599
133·1	Thessalon River, water, 584; rail.....	647
136·4	Brook, water, 617; rail.....	683
142·8	Bruce Mines station.....	592
149·2	Stobie ".....	595
151·0	Desbarats ".....	600
158·0	Isbester ".....	593
160·0	Bear River, water, 581; rail.....	590
164·0	Echo Bay station.....	606
170·2	Garden River ".....	632
178·9	Sault Ste. Marie, Ont., station.....	
180·0	River St. Mary, high water, in canals, 603·10; low water, 598·97; mean water, 599·87; rail.....	612
182·3	Sault Ste. Marie, Mich., station.....	615

Miles from Carleton	CANADIAN PACIFIC RAILWAY—BROCKVILLE BRANCH	Elevation
0·0	Carleton, junction with main line, 147·6 miles from Montreal	447
4·5	Beckwith station	461
8·0	Franktown "	476
13·4	Welsh "	431
17·1	Smiths Falls, junction with main line, Ontario and Quebec Div., 128·3 miles from Montreal	423
18·4	Rideau Canal, water, 348; rail	380
21·4	Story station	358
24·0	Irish Creek station	342
29·3	Wolford "	396
29·7	Summit	403
31·5	Bell station	388
33·0	Jelly "	373
35·4	Bellamy "	393
38·4	Clark "	415
38·7	Summit	418
39·8	Fairfield station	395
45·0	Brockville, junction with Grand Trunk Ry., 125·23 miles from Montreal.	281
45·4	" wharf, St. Lawrence River, high water, 247·54; low water, 243·25; mean water, 244·98; rail	252
Miles from Ottawa	CANADIAN PACIFIC RAILWAY—PRESCOTT BRANCH	
0·0	Ottawa, Sussex St. station	190
0·4	Rideau River, water, 177; rail	190
1·6	Montreal Road crossing (Janeville)	187
2·9	Montreal and Ottawa junction	198
6·6	Chaudiere, junction with line to Union station	274
0·0	Ottawa, Union station, junction with main line, 120·3 miles from Montreal ..	175
1·9	Rideau Canal, water, 208; rail	216
2·6	Rideau River, high water, 190; low water, 180; rail	213
4·6	Chaudiere junction, with spur line to Sussex St. station	274
9·2	Gloucester station	345
9·4	Summit, ground, 367; rail	353
12·6	Manotick station	327
20·5	Osgoode "	301
24·6	Sabourin "	284
25·6	Rideau Brook, bed 272; rail	278
29·0	Kemptville station	297
29·2	Beecher Brook, water, 286; bed, 281; rail	297
30·5	Kemptville junction, with main line O. & Q. Div., 107·8 miles from Montreal	330
35·0	Oxford station	352
38·8	Summit, ground, 1,100 ft. north, 366; rail	353
42·7	Spencerville station	315
43·3	South Nation River, water, 290; bed, 280; rail	306
47·6	Summit	313
50·2	Prescott junction, with Grand Trunk Ry., 113·51 miles from Montreal	302
51·8	Prescott station	247
	St. Lawrence River at Prescott, high water, 247·49; low water, 243·20; mean water	244·03
Miles from A. & N.W. Junction	CANADIAN PACIFIC RAILWAY—EGANVILLE BRANCH	
0·0	Atlantic and North-west junction, with main line, 193·0 miles from Montreal.	404
3·1	Admaston station	404
9·4	Douglas "	417
10·3	Bonnechere River, water, 405; bed, 399; rail	422
13·4	Fourth Chute station	437
18·9	Eganville "	549
Miles from Mattawa	CANADIAN PACIFIC RAILWAY—TEMISCAMING BRANCH	
0·0	Mattawa, junction with main line, 318·0 miles from Montreal	564
0·5	" Town Hall station	521
0·9	Ottawa River, high water (1890) 509·8, (1891) 506·7, (1892) 503·0, (1893) 507·5; low water, 496; rail	521

Miles from Mattawa	CANADIAN PACIFIC RAILWAY—TEMISCAMING BRANCH	Elevation
5.1	Bay of Ottawa River, high water, 520; rail	526
9.7	" " " 533; "	543
11.2	Snake Creek station	543
13.8	Bay of Ottawa River, high water, 539; rail	551
24.7	Hillcrest station	551
30.5	Beauchêne "	548
36.5	Kippewa junction	580
37.9	Temiscaming station	593
38.5	Lumsden Mill "	801
40.0	Pike Lake, low water	794
41.7	Long Lake " 820; rail	831
43.2	"T" Lake, high water, 856; low water, 849; rail	861
45.7	Kippewa station	885
	Kippewa Lake, high water, 883; low water	873
Miles from Montreal	CANADIAN PACIFIC RAILWAY—"SOUTH SHORE" LINE <i>Montreal to Ottawa</i>	
0.00	Montreal, Windsor St. station	109.35
23.77	Vaudreuil, junction with main line, Ontario and Quebec Division	87
25.30	Little River station	86
27.10	Isle Cadieux "	94
30.20	Como "	99
32.25	Hudson "	92
32.81	Hudson Heights station	87
34.60	Thauvette "	108
36.11	Lavigne "	105
40.25	Rigaud "	108
40.35	River à la Grasse, bed, 68; rail	108
47.30	Point Fortune station	139
48.30	St. Eugene station	181
53.50	Stardale " (summit)	291
57.00	Canada Atlantic Ry., Hawkesbury branch, crossing	263
57.60	Vankleek Hill station	272
60.10	McAlpins "	219
65.20	Caledonia Springs "	168
68.87	Alfred "	178
74.30	South Nation River, high water (1862), 163.5; (Mar. 17, 1898), 158.8; ordinary high water, 156.8; extreme low water, 147.9; rail	170
74.61	Plantagenet station	170
77.00	Summit, ground, 251; rail	218
79.80	Pendleton station	234
80.88	Brook, high water, 177; bed, 170; rail	195
82.33	Cobb Brook, high water (Mar. 17, 1898), 164.2; bed, 154; rail	166
85.45	The Brook station	216
87.97	North Indian Brook, bed, 192; rail	212
88.96	Hammond, Canada Atlantic Ry., Rockland branch, crossing	220
91.40	Summit	279
94.39	Leonard station	272
97.34	Brook, bed, 240; rail	260
98.66	Navan station	240
104.94	Blackburn "	230
107.02	Greens Creek, bed, 200; rail	218
109.79	Rideau River, high water (March 14, 1898), 192; low water, 180; rail	198
111.39	Ottawa, Central station	212
Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION <i>Main Line—Montreal to Toronto</i>	
0.0	Montreal, Windsor St. station	109.35
1.6	Westmount station	152
3.1	Summit	190
4.8	Montreal junction	155
7.0	Western " , with Jacques Cartier Union Ry	138

Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Montreal to Toronto—Continued</i>		
8.7	Golf Links station.....	97
9.6	Dorval ".....	88
11.0	Belair ".....	91
12.1	Valois ".....	93
12.5	Lakeside ".....	95
13.5	Pointe Claire ".....	112
15.0	Beaconsfield ".....	108
16.8	Beaurepaire ".....	106
18.5	Bayview ".....	115
20.4	Ste. Anne de Bellevue station.....	113
20.8	Ottawa River, Ste. Anne bridge, water, 71; rail.....	111
23.4	" Vaudreuil bridge " 71 ".....	94
23.7	Vaudreuil, junction with "South Shore" Line.....	87
26.3	Sunshine River, bed 92; rail.....	125
28.4	St. Lazare station.....	162
34.4	St. Clet ".....	177
40.1	St. Polycarpe junction, with Canada Atlantic Railway.....	191
41.2	Delisle River, bed, 154; rail.....	190
43.7	St. Telephore station.....	212
46.3	Dalhousie Mills ".....	225
46.7	Province Line, Ontario and Quebec boundary.....	223
49.3	Summit.....	268
50.1	Glen Norman station.....	251
51.1	Brook, bed, 221; rail.....	230
53.9	Green Valley station.....	279
56.6	Glenroy ".....	267
60.7	River Beaudette, bed, 252; rail.....	267
62.7	Apple Hill station.....	298
68.1	Monklands ".....	328
72.2	Payne River, bed, 296; rail.....	306
72.9	Avonmore station.....	324
78.7	Payne River, bed, 254; rail.....	272
79.0	Pinch, junction with Ottawa and New York Ry.....	273
85.4	South Nation River, bed, 200; rail.....	228
86.6	Chesterville station.....	258
92.5	Winchester ".....	247
96.0	Suffel ".....	264
100.7	Mountain ".....	273
104.0	Summit.....	359
107.8	Kemptville junction, with Prescott branch.....	330
109.8	South Rideau River, water, 302; rail.....	322
111.4	Oxford Mills station.....	335
115.0	Burritts ".....	353
119.0	Rideau Canal, water, 308; bed, 297; rail.....	352
119.4	Merrickville station.....	352
128.3	Smiths Falls, junction with Brockville branch.....	423
134.0	Elmsley station.....	438
139.9	Perth ".....	433
147.7	Bathurst ".....	479
155.0	Maberley ".....	576
1.7.3	Fall River, water, 577; rail.....	589
161.3	Zealand station.....	689
162.7	Summit.....	732
165.3	Sharbot Lake junction, with Kingston and Pembroke Ry.....	646
165.8	Sharbot Lake, water, 639; rail.....	644
172.1	Summit, ground, 769; rail.....	749
174.3	Mountain Grove station.....	681
180.1	Ardendale ".....	617
180.6	Salmon River, bed, 609; rail.....	630
185.0	Kenebec station.....	660
190.1	Kaladar ".....	702
190.4	Summit, ground, 714; rail.....	706
198.9	Hungerford (formerly Sheffield) station.....	554
204.8	Stoco Lake, water, 458; rail.....	473
206.3	Twced, junction with Bay of Quinte Ry.....	476
210.3	Buller station.....	585

Miles from Montreal	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Montreal to Toronto—Concluded</i>		
214.5	Grand Trunk Ry., Madoc branch, overhead crossing, G.T.Ry., rail, 559; Can. Pac. Ry., rail.....	584
215.5	Ivanhoe station.....	608
216.8	Summit.....	648
220.2	Peterson station.....	567
224.3	Central Ontario junction, with Central Ontario Ry.....	598
227.7	Crow River, water (Aug. 7, 1898), 582; rail.....	598
233.3	Blairton station.....	643
237.6	Havelock ".....	700
243.6	Norwood ".....	671
248.4	Ouse River, bed, 644; rail.....	663
252.1	Indian River station.....	709
253.0	Indian River, bed, 661; rail.....	688
257.0	Otonabee station.....	674
261.7	Otonabee River, water, navigation level, 620.4; rail.....	633
261.9	Peterborough station.....	633
262.1	Grand Trunk Ry., Belleville to Midland, crossing.....	638
267.5	Kendry station.....	651
270.8	Cavanville ".....	645
275.5	Grand Trunk Ry., Port Hope to Onniece, overhead crossing, G.T.Ry., rail, 840; Can. Pac. Ry., rail.....	865
279.0	Manvers station.....	968
283.0	Pontypool ".....	1,067
284.9	Summit.....	1,105
291.8	Burketon station.....	1,057
301.1	Myrtle ".....	888
301.5	Grand Trunk Ry., Whitby to Lindsay, under crossing, G.T.Ry., rail, 894.7; Can. Pac. Ry., rail.....	870
304.6	Dagmar station.....	858
306.3	Glen Major ".....	845
306.4	Duffin Brook, bed, 789; rail.....	839
310.0	Claremont station (summit).....	886
317.5	Locust Hill ".....	667
321.0	Rouge River, bed, 481; rail.....	524
323.4	Markham Road station.....	564
325.5	Agincourt ".....	563
326.2	Grand Trunk Ry., Scarborough to Cobocank, overhead crossing, G.T.Ry., rail, 544; Can. Pac. Ry., rail.....	568
328.7	Wexford Road station.....	541
330.3	Little Don River, bed, 348; rail.....	469
332.0	Don River, bed, 310; rail.....	417
333.1	Leaside junction, with loop line to Toronto junction.....	429
335.4	North Toronto station.....	400
335.4	Toronto—Winchester St. station.....	266
336.4	" Queen St. ".....	260
338.4	" Union ".....	254
	Lake Ontario, high water, 247.96; low water, 243.45; mean water (1871-1895)	245.18
<i>CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION</i>		
<i>Main Line—Toronto to Windsor</i>		
0.0	Toronto, Union station.....	254
2.2	Parkdale station.....	305
3.8	Bloor St. ".....	371
4.7	Toronto junction.....	394
6.4	Belt Line Ry. crossing.....	399
6.7	Lambton station.....	390
7.4	Humber River, high water, 312; low water, 303; bed, 301; rail.....	399
8.6	Mimico River, bed, 378; rail.....	400
8.7	Islington station.....	400
11.8	Etobicoke River, bed, 333; rail.....	375
12.7	Dixie station.....	375
14.4	Cooksville ".....	391

Miles from Toronto	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Toronto to Windsor—Continued</i>		
17.4	Springfield station.....	474
19.9	Credit River, bed, 452; rail.....	493
20.8	Streetsville station.....	500
21.7	" junction, with Orangeville branch.....	549
24.7	Lisgar station.....	676
27.6	Hornby ".....	649
30.2	Beatty ".....	670
32.2	Milton ".....	660
32.6	Grand Trunk Ry. crossing.....	661
32.7	Sixteen-mile Brook, bed, 648; rail.....	662
38.0	Campbellville station.....	924
39.2	Guelph junction, with Guelph branch.....	960
42.0	McRae station.....	976
45.0	Schaw ".....	985
50.5	Summit, rail.....	1,003
52.0	Leslie station.....	996
57.2	Galt ".....	981
57.4	Grand River, bed, 856; rail.....	927
57.6	Grand Trunk Ry. crossing: G.T.Ry., 898; Can. Pac. Ry.....	927
60.2	Summit, rail.....	1,049
62.8	Dumfries station.....	1,025
67.5	Ayr ".....	961
68.0	River Nith, bed, 916; rail.....	960
72.6	Wolverton station.....	968
74.2	Grand Trunk Ry. crossing.....	1,011
74.3	Drumbo station.....	1,011
77.8	Horner Brook, bed, 954; rail.....	969
78.6	Blandford station.....	971
81.4	Thames River, bed, 947; rail.....	970
81.6	Innerkip station.....	969
87.6	Grand Trunk Ry. crossing.....	947
87.9	Woodstock, junction with Ingersoll branch.....	947
88.7	Thames River, bed, 910; rail.....	932
91.5	Summit.....	1,017
94.0	Embro station.....	1,004
101.0	Thamesford ".....	951
109.1	Crumlin ".....	890
111.6	Grand Trunk Ry. crossing.....	888
112.0	Asylum station.....	864
113.7	Adelaide St. ".....	816
114.5	London ".....	804
115.0	North branch Thames River, bed, 760; rail.....	798
117.7	Summit, ground, 886; rail.....	855
118.5	Hyde Park station.....	902
118.7	Grand Trunk Ry., London, and Wingham crossing; G.T.Ry., rail, 876; Can. Pac. Ry., rail.....	902
121.5	Melrose station.....	867
125.1	Komoka ".....	812
126.4	Grand Trunk Ry., Sarnia branch, crossing.....	795
129.6	Caradoc station.....	804
135.7	Longwood ".....	735
139.4	Appin junction, with Michigan Central R.R.....	747
144.7	North Glencoe station.....	731
146.4	Grand Trunk Ry., Glencoe and Kingscourt branch, crossing.....	718
151.9	North Newbury station.....	681
156.5	North Bothwell ".....	661
164.0	North Thamesville ".....	622
169.3	Kent Bridge ".....	607
172.6	Arkwood ".....	605
177.4	Thames River, high water, 539; low water, 575; rail.....	600
178.3	Lake Erie and Detroit River Ry. crossing.....	595
178.8	Chatham station.....	592
183.3	Grand Trunk Ry., Southern Division, main line, crossing.....	590
185.5	Ringold station.....	582
188.2	Raleigh ".....	567
194.5	Tilbury ".....	582
200.4	Haycroft ".....	593

Miles from Toronto	CANADIAN PACIFIC RAILWAY—ONTARIO AND QUEBEC DIVISION	Elevation
<i>Main Line—Toronto to Windsor—Concluded</i>		
204.5	Ruscom River, bed, 571; rail	585
204.7	St. Joachim station	585
208.7	Belle River "	587
208.9	Belle River, bed, 571; rail	585
212.3	Puce station	589
215.6	Elmstead station	594
222.7	Walkerville, junction with Lake Erie and Detroit River Ry.	615
227.1	Windsor station	581
	Detroit River at Windsor, low water, 572.76; high water, 576.54; mean water	574.25
Miles from Woodstock	CANADIAN PACIFIC RAILWAY—INGERSOLL BRANCH	
0.0	Woodstock, junction with main line Ontario and Quebec Division, 87.9 miles from Toronto	947
0.8	Grand Trunk Ry., Southern Div., crossing	929
4.3	Beachville station	918
9.0	Ingersoll "	879
11.0	Summit	927
14.1	Putnam station	884
18.9	Harrietsville "	949
19.3	Summit	959
24.8	Belmont station	844
32.3	Lake Erie and Detroit River Ry. (London and Port Stanley Ry.), crossing	784
33.6	St. Thomas, junction with Michigan Central R.R.	762
Miles from Guelph Junc.	CANADIAN PACIFIC RAILWAY GUELPH BRANCH	
0.0	Guelph junction, with main line, Ontario and Quebec Division, 39.2 miles from Toronto	960
3.9	Moffat station	1,047
6.7	Corwhin "	1,127
9.6	Summit, rail	1,167
10.7	Arkell station	1,112
13.4	Speed River, bed, 1,009; rail	1,018
14.7	Speed River, bed, 1,021; rail	1,040
14.8	Grand Trunk Ry., crossing	1,040
15.0	Guelph station	1,043
Miles from Cataract	CANADIAN PACIFIC RAILWAY—ELORA BRANCH	
0.0	Cataract, junction with Orangeville branch	1,252
4.6	Erin station	1,291
8.3	Hillsburg "	1,405
12.8	Orton "	1,448
15.0	Summit	1,528
17.6	Belwood station	1,415
19.0	Grand River, bed, 1,350; rail	1,366
20.4	Spicers station	1,391
24.6	Grand Trunk Ry., Harrisburg and Southampton line, crossing	1,360
24.9	Fergus station	1,355
27.3	Elora "	1,270
Miles from Toronto	CANADIAN PACIFIC RAILWAY—OWEN SOUND BRANCH	
0.0	Toronto, Union station	254
2.2	Parkdale station	305
4.7	Toronto junction	394
8.5	Weston station	427
12.4	Emery "	520
14.6	Humber Summit station	498
15.2	Humber River, bed, 441; rail	498
16.2	Woodbridge station	554
18.9	Elder "	629

Miles from Toronto	CANADIAN PACIFIC RAILWAY—OWEN SOUND BRANCH	Elevation
21.4	Kleinburg station.....	709
26.1	Bolton ".....	835
32.6	Mono Road ".....	973
34.1	Grand Trunk Ry. crossing, G.T.R., rail, 948; C.P. Ry.....	968
34.5	Cardwell junction, with Grand Trunk Ry.....	950
41.1	Caledon station.....	1,356
45.8	Melville, junction with Orangeville branch.....	1,326
48.5	Orangeville station.....	1,395
52.5	Orangeville junction, with Teeswater branch.....	1,613
56.0	Laurel station.....	1,618
60.1	Crombies ".....	1,600
64.6	Shelburne ".....	1,625
68.1	Melancthon ".....	1,660
71.8	Corbetton ".....	1,661
73.1	Grand River, bed, 1,648; rail.....	1,662
75.9	Dundalk station.....	1,700
76.2	Summit.....	1,706
80.9	Proton station.....	1,584
83.0	Saugeen River, bed, 1,551; rail.....	1,566
86.3	Flesherton station.....	1,557
92.6	Markdale ".....	1,357
97.9	Berkeley ".....	1,330
101.6	Saugeen River, bed, 1,201; rail.....	1,218
102.1	Holland Centre station.....	1,212
105.2	Cement Works switch.....	1,064
108.7	East branch Sydenham River, bed, 932; rail.....	946
108.9	Chatsworth station.....	944
110.0	Sydenham River, bed, 924; rail.....	937
114.1	Rockford station.....	913
121.5	Owen Sound station.....	586
	" wharf.....	589
	Georgian Bay, mean water.....	580.12
Miles from Streetsville Junction	CANADIAN PACIFIC RAILWAY—ORANGEVILLE BRANCH	
0.0	Streetsville junction, with main line, Ontario and Quebec Division, 21.7 miles from Toronto.....	549
1.9	Meadowvale station.....	563
3.1	Credit River, bed, 519; rail.....	564
4.2	Churchville station.....	604
7.4	Brampton ".....	720
7.6	Grand Trunk Ry. crossing.....	713
12.1	Snelgrove station.....	838
16.0	Campbells Cross station.....	939
17.0	Cheltenham ".....	936
19.6	Inglewood junction, with Grand Trunk Ry.....	896
23.8	Credit River, bed, 1,005; rail.....	1,076
23.9	Forks of Credit station.....	1,076
26.5	Cataract, junction with Elora branch.....	1,252
29.6	Alton station.....	1,313
31.6	Melville, junction with Owen Sound branch, 45.8 miles from Toronto.....	1,326
34.3	Orangeville station.....	1,395
Miles from Orangeville Junction	CANADIAN PACIFIC RAILWAY—TEESWATER BRANCH	
0.0	Orangeville junction with Owen Sound branch, 52.5 miles from Toronto.....	1,613
3.6	Amaranth station.....	1,544
6.0	Waldemar ".....	1,487
6.3	Grand River, bed, 1,454; rail.....	1,480
8.2	Grand Valley station.....	1,542
11.5	Summit.....	1,580
19.6	Arthur station.....	1,523
26.5	Kenilworth station.....	1,481
33.0	Mount Forest junction.....	1,378
33.6	Saugeen River, bed, 1,302; rail.....	1,348
34.2	Mount Forest station.....	1,348

Miles from Orangeville Junction	CANADIAN PACIFIC RAILWAY—TEESWATER BRANCH	Elevation
37.3	Grand Trunk Ry. crossing.....	1,484
41.8	Harriston station.....	1,244
41.9	Grand Trunk Ry. crossing.....	1,244
50.2	Fordwich station.....	1,194
53.0	Maitland River, bed, 1,110; rail.....	1,127
54.1	Gorrie station.....	1,130
56.1	Wroxeter ".....	1,104
62.9	Glenannan, junction with Wingham branch.....	1,073
67.9	Teeswater station.....	1,019
Miles from Glenannan	CANADIAN PACIFIC RAILWAY—WINGHAM BRANCH	
0.0	Glenannan, junction with Teeswater branch.....	1,073
4.6	Wingham station.....	1,020
Miles from Molson	CANADIAN PACIFIC RAILWAY—LAC DU BONNET BRANCH	
0.0	Molson, junction with main line, 1,378.3 miles from Montreal.....	879
0.5	Junction switch.....	877
1.6	Summit near centre Sec. 28, Tp. 12, Range 9 E., grade.....	898
6.0	Depression, swamp in Sec. 15, Tp. 13, Range 9 E., grade.....	831
9.9	Summit, S.E. ¼ Sec. 2, Tp. 14, Range 9 E., grade.....	918
10.0—17.0	Nearly level.....	915-895
22.3	End of profile.....	848
22.1	End of spur to Winnipeg River.....	828
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—EMERSON BRANCH	
0.0	Winnipeg station.....	757
1.5	Winnipeg junction, with main line.....	757
2.9	St. Boniface station.....	756
9.8	Seine River, low water, 750; high water, 760; rail.....	764
11.7	St. Norbert station.....	769
23.2	Niverville ".....	776
30.5	Rat River, low water, 753; high water, 764; rail.....	779
30.8	Otterburne station.....	780
40.1	Dufrost ".....	794
48.2	Arnaud ".....	796
55.8	Roseau River, ice (1880), 762; high water (June 1, 1880), 778; rail.....	787
56.0	Dominion City station.....	787
63.8	Joe River, low water, 757; high water, 772; rail.....	790
66.0	Emerson station.....	792
66.1	International Boundary, junction with Great Northern Ry.....	792
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—WEST SELKIRK BRANCH	
0.0	Winnipeg station.....	757
8.1	Kildonan ".....	753
12.4	Parkdale ".....	755
15.2	Victoria Park ".....	757
19.2	Lower Fort Garry station.....	751
22.7	West Selkirk ".....	733
23.9	River landing.....	722
	Red River, high water, 721; low water.....	711
Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—STONEWALL BRANCH	
0.0	Winnipeg station.....	757
1.9	Air Line junction.....	756
13.4	Stony Mountain station.....	771
19.8	Stonewall ".....	826
27.9	Jackfish Brook, bed, 803; rail.....	814
29.3	Bahnora station.....	832
35.9	Campbell Brook, bed, 827; rail.....	840
39.2	Teulon (formerly Foxton) station.....	866
3		

Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—PEMBINA BRANCH	Elevation
0.0	Winnipeg station.....	757
2.4	South Western branch junction.....	760
4.4	St. James station.....	764
4.5	Assiniboine River, high water, 743; low water, 734; rail.....	764
6.6	Northern Pacific Ry. crossing.....	764
11.2	Fort Whyte station.....	765
17.8	La Salle or Stinking River, high water, 749; low water, 735; rail.....	770
18.0	La Salle station.....	770
23.8	Shanawan ".....	774
29.4	Osborne ".....	777
41.2	Morris River, high water, 771; low water, 744; rail.....	773
42.0	Morris station.....	773
42.2	Northern Pacific Ry. crossing.....	773
55.6	Rosenfeld, junction with Gretna branch.....	796
65.2	Plum Coulee station.....	834
65.4	Buffalo Lake, water, 816; rail.....	824
73.4	Winkler station.....	888
80.7	Morden ".....	988
81.4	Tank.....	1,005
87.3	Thornhill station.....	1,314
93.7	Summit, rail.....	1,588
95.2	Darlingford station.....	1,561
98.7	Summit, rail.....	1,618
101.7	Manitou station.....	1,589
105.3	Top of bluff, east bank, Pembina River.....	1,559
112.5	Larivière station.....	1,325
113.8	Pembina River, water, 1,287; rail.....	1,304
118.8	1st siding.....	1,544
119.0	Top of bluff, west bank Pembina River.....	1,547
119.8	Wood Bay, junction with Snowflake branch.....	1,545
124.7	Pilot Mound station.....	1,551
125.4	Summit, rail.....	1,565
129.4	Crystal City station.....	1,513
129.7	Crystal Brook, water, 1,471; rail.....	1,501
133.3	Clearwater Brook (Cypress or Long River), 1,426; rail.....	1,498
133.6	Clearwater station.....	1,498
141.0	Mather ".....	1,527
146.9	Badger Brook, water, 1,474; rail.....	1,514
147.8	Cartwright station.....	1,531
155.0	Holmfield ".....	1,551
155.5	White Mud River (Long River), water, 1,541; rail.....	1,561
163.7	Killarney station.....	1,625
169.7	Little Pembina River, water, 1,605; bed, 1,603; rail.....	1,645
174.6	Ninga station.....	1,649
180.9	Summit, ground, 1,694; rail.....	1,690
182.0	Boissevain station.....	1,683
192.6	Whitewater ".....	1,659
194.2	Whitewater Lake, high water, 1,637; low water.....	1,632
202.1	Deloraine, junction with Waskada branch.....	1,644
212.4	Medora station.....	1,504
220.7	Napinka, junction with Souris branch.....	1,466
Miles from Rosenfeld	CANADIAN PACIFIC RAILWAY—GRETNA BRANCH	
0.0	Rosenfeld, junction with Pembina branch.....	796
6.8	Altona station.....	812
13.7	Gretna ".....	829
13.9	International Boundary, junction with Great Northern Railway.....	829
Miles from Rosenfeld	CANADIAN PACIFIC RAILWAY—ROSENFELD AND EMERSON LINE (abandoned)	
0.0	Rosenfeld station.....	796
12.5	Marais River, bed 775; rail.....	791
19.3	West Lynne.....	791
20.6	Red River, high water (1882), 787; low water.....	750
20.8	Emerson station (Emerson branch).....	792

Miles from Winnipeg	CANADIAN PACIFIC RAILWAY—SOUTH WESTERN BRANCH	Elevation
0·0	Winnipeg, junction with main line.....	757
2·4	South Western Branch junction.....	761
2·9	Colony Brook, bed, 758; rail.....	763
7·0	Murray Park station.....	780
7·5	Sturgeon Brook, low water, 756; rail.....	774
12·8	Headingly station.....	779
13·5	Assiniboine River, extreme high water, 763; low water, 753; bed, 743; rail..	776
15·7	Northern Pacific Ry. crossing.....	779
26·0	La Salle River, high water, 773; low water, 765; rail.....	781
28·3	Starbuck station.....	781
34·1	Fannystelle ".....	789
40·4	Culross ".....	809
45·0	Elm Creek, junction with Carman branch.....	820
47·5	Water tank.....	859
56·2	Haywood station.....	959
59·8	St. Claude ".....	984
68·2	Morris River, low water, 1,034; rail.....	1,047
69·8	Rathwell station.....	1,070
77·0	Treherne ".....	1,211
77·8	Morris River, low water, 1,166; bed, 1,164; rail.....	1,222
84·0	Summit.....	1,237
85·3	Holland station.....	1,237
95·3	Cypress River station.....	1,232
95·9	Cypress River, low water, 1,214; bed, 1,208; rail.....	1,224
104·3	Glenboro station.....	1,231
118·0	Stockton ".....	1,199
114·1	Water tank.....	1,181
117·9	Souris River, low water, 1,113; rail.....	1,169
119·8	Treesbank station. ●.....	1,206
122·6	Banting ".....	1,242
125·6	Methven ".....	1,284
127·2	Northern Pacific Ry. crossing.....	1,311
127·7	North branch Black Brook, bed, 1,285; rail.....	1,312
131·4	Nesbitt station.....	1,407
136·7	Summit.....	1,502
139·6	Carroll station.....	1,477
150·0	Souris, junction with Souris branch.....	1,400
	Souris River at Souris.....	1,164
Miles from Elm Creek	CANADIAN PACIFIC RAILWAY—CARMAN BRANCH	
0·0	Elm Creek, junction with South Western branch, 45·0 miles from Winnipeg.	820
6·1	Barnsley station.....	852
12·1	Carman ".....	872
	Morris River at Carman, high water, 851; low water.....	843
Miles from Wood Bay	CANADIAN PACIFIC RAILWAY—SNOWFLAKE BRANCH	
0·0	Wood Bay, junction with Pembina Branch, 119·8 miles from Winnipeg.....	1,545
9·8	Purves station.....	1,574
16·3	Snowflake ".....	1,563
Miles from Deloraine	CANADIAN PACIFIC RAILWAY—WASKADA BRANCH	
0·0	Deloraine, junction with Pembina branch, 202·1 miles from Winnipeg.....	1,644
8·3	Goodlands station.....	1,654
17·2	Waskada ".....	1,551
Miles from Portage la Prairie	CANADIAN PACIFIC RAILWAY—NORTH WESTERN BRANCH	
0·0	Portage la Prairie, junction with main line, 1,478·8 miles west of Montreal...	834
	Portage la Prairie, old M. and N.W. Ry. station.....	857
2·9	Channel by which Assiniboine River overflowed into Lake Manitoba (May 3- 15, 1882); bed, 850; rail.....	860
6·0	Six-mile station.....	843
9·8	Macdonald ".....	833
34		

Miles from Portage la Prairie	CANADIAN PACIFIC RAILWAY—NORTH WESTERN BRANCH	Elevation
16.9	Westbourne station	832
17.4	Whitemud River, bed, 812; rail	832
21.8	Gravel pit switch	861
26.8	Woodside station	859
27.3	Whitemud River, bed, 849; rail	860
34.9	Gladstone, junction with Canadian Northern Ry	884
35.7	Whitemud River, bed, 871; rail	890
35.8	Canadian Northern switch	892
36.5	Gopher Brook, bed, 876; rail	889
43.3	Keyes (formerly Midway) station	975
47.1	Stream, bed, 1,018; rail	1,028
51.4	Arden station	1,087
52.0	Snake Brook, bed, 1,061; rail	1,080
57.3-57.7	Level grade (0 to 7 ft. above natural surface)	1,155
61.0	Neepawa station	1,209
66.3	Stony Brook, bed, 1,359; rail	1,374
70.3	Franklin (formerly Bridge Creek) station	1,600
75.5	East Summit station	1,766
76.0	Summit, ground, 1,800; rail	1,799
78.4	Little Saskatchewan River, water, 1,658; bed, 1,654; rail	1,670
79.5	Minnedosa, junction with Saskatchewan and Western branch	1,671
83.0	West Summit switch	1,937
83.9	Depression, ground, 1,906; rail	1,915
87.5	Summit " 1,971 "	1,967
88.5	Basswood station	1,958
88.6	Outlet of Basswood Lake, bed, 1,941; rail	1,959
92.8	Summit, highest point on line, ground, 1,909; rail	1,992
96.8	Newdale station	1,984
106.1	Strathclair "	1,910
108.3	Salt Lake, water, 1,868; rail	1,876
109.1	Summit, ground, 1,895; rail	1,888
114.9	Shoal Lake station	1,821
115.0	Oak River, water, 1,802; bed, 1,799; rail	1,820
115.0	Shoal Lake, 0.3 mile south, water, approximately	1,802
117.0	Summit, ground, 1,844; rail	1,839
123.2	Kelloe station	1,823
129.8	Solsgrith "	1,798
132.8	Ravine, bed, 1,622; rail	1,657
134.5	Birdtail Brook, water, 1,554; bed, 1,553; rail	1,567
137.6	Birtle station	1,712
138.4	Summit, ground, 1,726; rail	1,724
139.0	Stony Brook, bed, 1,697; rail	1,709
144.0	Summit, ground and rail	1,752
145.2	Foxwarren station	1,751
145.8	Snake Brook, bed, 1,734; rail	1,751
148.4	Summit, ground and rail	1,775
153.9	Silver Brook, bed, 1,639; water, 1,640; rail	1,711
154.9	Binscarth, junction with Shell River branch	1,725
157.0	Ground, 1,640; rail	1,661
157.5	Johnston station	1,660
161.8	Johnston Brook, bed, 1,360; rail	1,410
162.4	Millwood station	1,376
162.9	Assiniboine River, water, 1,321; bed, 1,316; rail	1,348
163.3	West Relief spur	1,375
164.0	Ground, 1,400; rail	1,404
165.0	Water tank	1,476
166.0	Ground, 1,529; rail	1,530
173.0	Harrowby station	1,603
180.1	Langenburg "	1,660
185.0	Ground, 1,710; rail	1,711
189.2	Churchbridge station	1,723
196.8	Bredenbury "	1,711
204.8	Anderson Brook, bed, 1,704; rail	1,709
205.4	Sultcoats station	1,714
211.8	Brook, bed, 1,663; rail	1,674
215.0	Rokey station	1,664
218.4	Branch of Whitesand Brook, bed, 1,624; rail	1,648
222.8	Yorkton station	1,633

Miles from Portage la Prairie	CANADIAN PACIFIC RAILWAY—NORTH WESTERN BRANCH	Elevation
<i>Proposed Extension</i>		
224.1	Muskeg between two lakes, Sec. 3, Tp. 26, R. IX, ground.....	1,648
227.5	Summit, Sec. 18, Tp. 26, R. IV, grade and ground.....	1,683
228.7	Yorkton trail, S.E. $\frac{1}{2}$ Sec. 24, Tp. 26, R. V, grade and ground.....	1,677
232.4	Cusned Brook, S.E. $\frac{1}{2}$ Sec. 33, Tp. 26, R. V, bed, 1,650; grade.....	1,662
234.4	Big Bone Brook, N.W. $\frac{1}{2}$ Sec. 5, Tp. 27, R. V, 1,652; grade.....	1,661
240.4	Owl Brook, S.W. $\frac{1}{2}$ Sec. 27, Tp. 27, R. VI, bed, 1,662; grade.....	1,677
242.7	Summit, N.W. $\frac{1}{2}$ Sec. 32, Tp. 27, R. VI, ground, 1,699; grade.....	1,695
244.7	Claire Brook, Sec. 1, Tp. 28, R. VII, bed, 1,665; grade.....	1,679
245.9	Outlet of lake, S.E. $\frac{1}{2}$ Sec. 11, Tp. 28, R. VII, bed, 1,687; grade.....	1,695
251.0	Trail, N.W. $\frac{1}{2}$ Sec. 29, Tp. 28, R. VII, grade and ground.....	1,718
254.1	Chippewa Brook, N.E. $\frac{1}{2}$ Sec. 1, Tp. 29, R. VIII, bed, 1,713; grade.....	1,728
256.1	End of profile, S.E. $\frac{1}{2}$ Sec. 15, Tp. 29, R. VIII, grade and ground.....	1,741
256.5	Ground.....	1,749
258.3	Fern Brook, bed.....	1,726
260.0	Ground.....	1,760
262.7	Bear Brook, bed.....	1,741
265.3	Spring Brook, bed.....	1,764
270.0	Ground.....	1,799
272.5	Water-course, bed.....	1,792
273.0	Ground.....	1,804
From 233 to 273 miles this line lies from two to seven miles southwest of Whitesand River. It terminates near the north side of Tp. 30, R. X, W. of the 2nd Meridian, a few miles north of the Beaver Hills and about 25 miles east of the Big Touchwood Hills.		
<i>Line surveyed northwest from Langenburg</i>		
185.0	Red Deer-Horn Brook, bed.....	1,700
188.0	Ground.....	1,708
195.0	Big Cutarm Brook, bed.....	1,630
203.0	Ground.....	1,699
210.0	".....	1,688
	Crescent and Leech lakes, a few miles north of this line, approximately.....	1,658
220.0	Ground.....	1,742
230.0	".....	1,795
234.0	".....	1,842
236.0	Ravine, bed.....	1,861
237.5	Ground, end of survey.....	1,898
This line ends in the west part of Tp. 23, R. VII, W. of the 2nd Meridian, between the Beaver Hills on the north and the Pheasant Hills on the south, and about 15 miles east of the File Hills.		
CANADIAN PACIFIC RAILWAY—SASKATCHEWAN AND WESTERN BRANCH		
0.0	Minnedosa, junction with North Western branch, 78.5 miles from Portage la Prairie.....	1,671
1.7	Little Saskatchewan River, 1st crossing, bed, 1,643; water, 1,645; rail.....	1,659
8.6	Riverdale station.....	1,637
13.9	Little Saskatchewan River, 2nd crossing, bed, 1,559; water, 1,570; rail.....	1,580
15.4	Rapid City station.....	1,580
18.4	" junction, with North Central branch.....	1,552
CANADIAN PACIFIC RAILWAY—SHELL RIVER BRANCH		
0.0	Binscarth, junction with North Western branch, 154.9 miles from Portage la Prairie.....	1,725
4.0	Ground and rail.....	1,798
6.4	Brook, bed, 1,767; rail.....	1,774
9.4	Ground, 1,833; rail.....	1,832
11.0	Russell station.....	1,832
11.5	End of profile.....	1,837

Miles from McGregor	CANADIAN PACIFIC RAILWAY—McGREGOR-VARCOE BRANCH (under construction)	Elevation
	McGregor station, 1,501·2 miles from Montreal	961
0·0	Junction switch, $\frac{1}{2}$ mile west of McGregor station	957
4·6	Road between S. $\frac{1}{2}$ Secs. 10 and 11, Tp. 12, R. 11	965
5·7	Squirrel Brook, N.W. $\frac{1}{2}$ Sec. 10, Tp. 12, R. 11, bed, 956; grade	967
9·2	Road between S. $\frac{1}{2}$ Sec. 19, R. 11 and Sec. 24, R. 12, Tp. 12, grade	977
11·0	Pine Brook, N.W. $\frac{1}{2}$ Sec. 23, Tp. 12, R. 12, bed, 968; grade	981
15·5	Road allowance between the S. $\frac{1}{2}$ of Sec. 31, R. 12, and Sec. 36, R. 13, Tp. 12, grade	1,082
20·2	Same between S. $\frac{1}{2}$ of Secs. 28 and 29, Tp. 12, R. 13, grade	1,189
25·4	" " " 27 and 28 " R. 14 "	1,285
30·9	Boggy or Whitemud Brook, N.E. $\frac{1}{2}$ Sec. 34, Tp. 12, R. 15, bed, 1,236; grade ..	1,271
35·2	Road allowance between Ranges 15 and 16, Tp. 13, at $\frac{1}{2}$ Sec. post between 1 and 6; grade	1,270
39·1	Same between S.W. $\frac{1}{2}$ Sec. 4, Tp. 13, and N.W. $\frac{1}{2}$ Sec. 33, Tp. 12, R. 16; grade ..	1,307
43·8	Gully, S.E. $\frac{1}{2}$ Sec. 3, Tp. 13, R. 17; bed, 1,411; grade	1,435
50·0	Grade, S.W. $\frac{1}{2}$ Sec. 3, Tp. 13, R. 18	1,619
65·5	Varcoe, junction with North Central Branch	1,725
Miles from Kemnay	CANADIAN PACIFIC RAILWAY—SOURIS BRANCH	
0·0	Kemnay, junction with main line, 1,564·5 miles west of Montreal	1,364
8·3	Beresford station	1,414
11·3	Summit	1,457
16·3	Souris, junction with South Western branch	1,400
16·7	Plum Brook, water, 1,360; bed, 1,352; rail	1,385
18·7	Summit	1,421
23·3	Monteith junction, with Pipestone branch	1,388
24·0	Souris River, water, 1,354; bed, 1,352; rail	1,389
25·7	Monteith station	1,395
27·6	Water tank	1,384
32·3	Hartney station	1,420
33·1	Hartney Brook, bed, 1,392; rail	1,408
35·1	Wool Brook, bed, 1,380; rail	1,410
41·1	Lauder station	1,444
50·5	Napinka, junction with Pembina branch	1,456
52·8	Summit	1,464
57·8	Souris River, high water (1882), 1,405; low water, 1,387; rail	1,411
58·7	Melita station	1,410
65·5	Elva "	1,492
73·0	Pierson "	1,531
80·3	North Antler Brook, water, 1,594; bed, 1,590; rail	1,604
81·3	Gainsborough station	1,602
89·5	Carievale "	1,664
92·4	South Antler Brook, water, 1,643; bed, 1,637; rail	1,663
97·1	Carnduff station	1,723
107·3	Glen Ewen "	1,817
114·8	Oxbow "	1,895
115·1	Summit, rail	1,900
117·6	Moose Mountain Brook, water, 1,711; rail	1,795
121·8	Alameda station	1,894
129·4	Frobysheire "	1,883
137·3	Hirsch "	1,874
147·6	Bienfait "	1,897
156·2	Estevan, junction with Pasqua branch	1,860
Miles from Chater	CANADIAN PACIFIC RAILWAY—NORTH CENTRAL BRANCH	
0·0	Chater, junction with main line, 1,540·8 miles west of Montreal	1,213
0·8	Junction switch	1,177
10·4	Forrest station	1,428
18·1	Varcoe, junction with McGregor-Varcoe branch	1,725
21·0	Summit, ground, 1,806; rail	1,805
23·6	Rapid City station (closed)	1,602
27·2	Little Saskatchewan River, water, 1,537; bed, 1,532; rail	1,547
27·6	Rapid City junction, with Saskatchewan and Western branch	1,552
32·3	Pettapiece station	1,794
32·6	Summit, ground, 1,797; rail	1,794
34·3	Depression, ground, 1,653; rail	1,657
41·1	Oak River, bed, 1,675; rail	1,711

Miles from Chater	CANADIAN PACIFIC RAILWAY—NORTH CENTRAL BRANCH	Elevation
42·8	Oak River station.....	1,710
49·9	Hamiota ".....	1,696
60·0	Crandell ".....	1,595
71·0	Miniota ".....	1,479
Miles from Chater	<i>Proposed Extension to Fort Ellice</i>	
58·3	Arrow River, S.W. $\frac{1}{2}$ Sec. 30, Tp. 14, R. XXIV, bed, 1,643; rail.....	1,693
60·0	Summit, N.E. $\frac{1}{2}$ Sec. 26, Tp. 14, R. XXIV, ground, 1,707; grade.....	1,704
65·7	Brook, S.W. $\frac{1}{2}$ Sec. 6, Tp. 15, R. XXV, bed, 1,596; grade.....	1,025
70·5	Ten-mile Brook, S.E. $\frac{1}{2}$ Sec. 8, Tp. 15, R. XXVI, bed, 1,540; grade.....	1,551
75·8	Brook, near centre Sec. 3, Tp. 15, R. XXVII, bed, 1,394; grade.....	1,459
79·5	Birdtail Brook (near mouth), water, 1,245; bed, 1,243; grade.....	1,256
86·1	Summit, ground, 1,294; grade.....	1,290
93·7	Assiniboine River (at mouth of Qu'Appelle River), bed, 1,262; grade.....	1,281
101·0	End of profile, Sec. 19, Tp. 17, R. XXIX, west of 1st Mer.....	1,307
Miles from Pasqua	CANADIAN PACIFIC RAILWAY—PASQUA BRANCH	
0·0	Pasqua, junction with main line, 1,813·8 miles west of Montreal.....	1,872
12·2	Drinkwater station.....	1,866
24·6	Rouleau ".....	1,878
42·9	Tank.....	1,893
46·9	Milestone station.....	1,903
67·3	Yellow Grass ".....	1,889
84·0	Souris River (Long Brook), bed, 1,836; rail.....	1,847
84·4	Weyburn station.....	1,847
101·3	Halbrite ".....	1,894
120·2	Macoun ".....	1,891
137·4	Estevan, junction with Souris branch.....	1,860
147·4	Souris River, bed, 1,707; rail.....	1,736
147·5	Roche Percée station.....	1,736
159·0	Summit, rail.....	1,953
160·5	North Portal station.....	1,944
160·6	International Boundary, junction with Minneapolis, St. Paul and Sault Ste. Marie Ry.....	1,944
Miles from Monteith Junction	CANADIAN PACIFIC RAILWAY—PIPESTONE BRANCH	
0·0	Monteith junction, with Souris branch.....	1,388
7·5	Deleau station.....	1,419
15·7	Findlay ".....	1,429
24·2	Pipestone ".....	1,451
31·3	Reston ".....	1,513
38·3	Stony Brook, bed, 1,587; rail.....	1,598
39·9	Sinclair station.....	1,656
43·2	Jackson Brook, bed, 1,656; rail.....	1,670
45·7	Boundary Brook, bed, 1,717; rail.....	1,730
45·8	Boundary between Manitoba and Assiniboia.....	1,730
47·6	Antler station.....	1,791
51·5	North Antler Brook, bed, 1,800; grade.....	1,823
55·9	Road crossing.....	1,928
57·2	Middle Antler Brook, bed, 1,889; rail.....	1,905
58·0	End of track, Sec. 18, Tp. 7, R. XXXI.....	1,933
Miles from Regina	CANADIAN PACIFIC RAILWAY—PRINCE ALBERT BRANCH	
0·0	Regina, junction with main line, 1,780·2 miles from Montreal.....	1,885
6·2	Summit.....	1,939
9·1	Wascana station.....	1,865
17·5	Water tank.....	1,652
18·3	Craven, junction with Craven spur.....	1,630
19·8	Lumsden station.....	1,620
22·4	Wascana River, water, 1,624; rail.....	1,635
23·3	Qu'Appelle River, water, 1,606; rail.....	1,625
27·6	Summit.....	1,853

Miles from Regina	CANADIAN PACIFIC RAILWAY—PRINCE ALBERT BRANCH	Elevation
28.4	Disley station	1,819
36.7	Bethune "	1,819
46.9	Findlater "	1,810
55.5	Chamberlain "	1,873
63.7	Aylesbury "	1,881
73.3	Craik "	1,906
81.8	Girvin "	1,965
86.0	Summit	2,039
87.8	Pinsbury station	1,970
99.9	Bladworth "	2,007
104.1	Summit	2,094
110.9	Bonnington station	2,009
125.2	Hanley "	1,869
127.2	Water tank	1,791
128.9	Depression	1,717
136.3	Dundurn station	1,724
152.2	Grindlay "	1,662
159.7	South Saskatchewan River, extreme high water, 1,553; ordinary water, 1,538; bed, 1,524; rail	1,574
160.0	Saskatoon station	1,374
168.5	Clarks Crossing "	1,630
177.6	Osler "	1,673
188.3	Hague "	1,671
199.9	Rosthern "	1,657
211.4	Duck Lake "	1,645
220.2	Roddick "	1,607
228.6	Meadowall "	1,540
237.8	Clouston "	1,481
246.8	Prince Albert "	1,398
	North Saskatchewan River, at Prince Albert, water (nearly)	1,360
Miles from Regina	CANADIAN PACIFIC RAILWAY—CRAVEN SPUR	
18.3	Craven, junction with Prince Albert branch	1,630
21.4	Qu'Appelle River, low water, 1,594; rail	1,609
22.2	End of track	1,606
	Last Mountain or Long Lake, water	1,597
Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	
0.0	Dunmore junction, with main line, 2,078.8 miles from Montreal	2,308
0.9	Bull-head Brook, bed, 2,307; rail	2,330
7.9	Bulls Head station	2,416
14.1	Seven Persons Coulee, bed, 2,440; rail	2,464
16.0	Seven Persons station	2,482
18.4	Eighteen-mile Coulee, bed, 2,484; rail	2,537
23.4	Whitla station	2,746
25.3	Summit, rail	2,788
29.7	Winnifred station	2,741
48.4	Bow Island "	2,608
46.4	Burdett "	2,577
54.1	Grassy Lake "	2,652
63.2	Purple Springs "	2,644
71.3	Wetmore "	2,654
80.2	Woodpecker "	2,734
88.7	Chin "	2,783
89.5	Chin Coulee, bed, 2,758; rail	2,766
96.6	Coaldale station	2,826
103.6	Summit	3,014
105.2	Montana junction, with Alberta Railway and Coal Co.'s Railway	3,009
105.3	Crow Nest junction	2,997
107.0	Lethbridge station	2,982
108.7	Six-mile Coulee, bed, 2,824; rail	2,974
110.7	Whoopup station	2,974
111.3	Summit, ground, 3,038; rail	3,033
115.9	St. Marys River, water, 2,739; rail	2,795
125.2	Kipp station (summit)	3,288
131.5	Depression (lowest point of track), rail	2,977

Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	Elevation
131.9	Belly River, water, 2,965; rail.....	2,987
134.2	Pearce station.....	3,090
142.8	Macleod ".....	3,128
143.9	Calgary and Edmonton junction, with Macleod branch.....	3,139
151.7	Peigan station.....	3,310
155.1	Crow-lodge Brook, bed, 3,322; rail.....	3,343
162.3	Brocket station.....	3,500
163.1	Summit, rail.....	3,529
164.0	Pincher Brook, bed, 3,383; rail.....	3,493
172.7	Pincher station.....	3,818
172.8	Summit, ground, 3,824; rail.....	3,820
175.8	South fork Old-man River, water, 3,584; rail.....	3,717
178.3	Cowley station.....	3,831
180.3	Summit, ground, 3,923; rail.....	3,918
181.3	Depression, rail.....	3,877
182.8	Summit, rail.....	3,918
185.1	Middle fork Old-man River (1st crossing), water, 3,796; rail.....	3,815
189.3	Livingstone station.....	3,995
190.3	Middle fork Old-man River, water.....	3,940
193.5	" " ".....	4,053
197.0	" " " (2nd crossing), water, 4,172; rail.....	4,182
198.3	Blairmore station.....	4,226
199.3	Middle fork, Old-man River (3rd crossing), water, 4,255; rail.....	4,266
204.1	Nez Percé Creek, rail.....	4,356
208.5	Crow Nest Lake, water, 4,409; rail.....	4,424
210.5	Island Lake, extreme high water, 4,427; low water.....	4,420
210.5	Summit Lake, water.....	4,432
211.1	Summit of Rocky Mountains.....	4,449
211.8	Crow Nest station.....	4,438
214.1	Tunnel, ground, 4,446; rail.....	4,346
216.1	" " 4,343; " ".....	4,250
216.1	Loop, middle of siding.....	4,723
218.4	Michel Creek, 1st crossing, bed, 4,144; rail.....	4,156
219.8	" 2nd " water, 4,078; bed, 4,076; rail.....	4,091
220.5	" 3rd " high water, 4,036; low water, 4,034; rail.....	4,056
221.0	" North branch, high water, 4,022; low water, 4,020; rail.....	4,028
221.7	Erickson station.....	3,976
224.3	Michel ".....	3,853
227.6	Michel Creek, bed, 3,706; rail.....	3,714
229.9	Spurwood station.....	3,637
235.5	Water tank.....	3,529
238.1	Brook, bed, 3,456; rail.....	3,463
239.9	Hosmer station.....	3,447
247.5	Fernie, junction with Coal Creek branch.....	3,302
	Terminus of Coal Creek branch at mines.....	3,829
248.3	Coal Creek, water, 3,277; bed, 3,276; rail.....	3,302
250.2	Coal Creek station.....	3,221
254.1	Branch of Elk River, bed, 3,141; rail.....	3,157
258.4	Morrissey station.....	3,101
264.5	Elk River, high water, 3,021; low water (Oct. 10, 1897), 3,011; rail.....	3,028
265.9	Elko station.....	3,082
266.1	Summit, ground, 3,108; rail.....	3,084
271.0	Rock Creek, bed, 2,775; rail.....	2,826
275.0	Galloway station.....	2,874
275.1	Summit, ground, 2,883; rail.....	2,881
275.7	Sand Creek, bed, 2,840; rail.....	2,851
278.5	Little Sand Creek, bed, 2,697; rail.....	2,706
278.7	Jaffray station.....	2,700
283.5	Waggon road crossing.....	2,632
287.0	Kootenay River, high water, 2,440; low water (Sept. 6, 1897), 2,433; rail.....	2,449
288.8	Wardner station.....	2,484
300.9	Fort Steele junction.....	2,686
308.4	Spring Brook, bed, 2,907; rail.....	2,940
310.0	North Star junction, with North Star branch.....	2,981
310.8	Cranbrook station.....	3,014
316.5	Summit, ground, 3,267; rail.....	3,260
320.4	Swansea station.....	3,190

Miles from Dunmore Junction	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	Elevation
321.7	Moyie River, bed, 3,128; rail.....	3,138
324.2	" " " 3,031; ".....	3,047
324.8	Tunnel, ground, 3,204; rail.....	3,048
326.5	Upper Moyie Lake, high water, 3,040; rail.....	3,049
328.3	Outlet Upper Moyie Lake, bed, 3,035; rail.....	3,049
330.7	Moyie station.....	3,046
331.0	Lower Moyie Lake, high water.....	3,040
332.7	Moyelle station.....	3,051
333.2	Moyie River, high water, 3,036; low water, 3,031; rail.....	3,040
341.1	Tochty station.....	2,964
342.7	Irishman Brook, bed, 2,957; rail.....	2,963
348.2	Little Moyie River, bed, 2,869; rail.....	2,880
351.6	Yahk station.....	2,817
353.0	Depression, rail.....	2,809
356.7	Goatfell station (summit).....	2,907
359.4	Carroll Brook, bed, 2,732; rail.....	2,788
361.6	Brook, bed, 2,632; rail.....	2,665
366.2	Russel Brook, bed, 2,430; rail.....	2,435
366.2	Kitchener station.....	2,436
370.8	Trail crossing.....	2,215
373.7	Goat River, water, 1,949; rail.....	2,119
378.2	Creston station.....	1,985
375.4	Summit, ground and rail.....	2,107
380.0	Kaiser Creek, bed, 1,840; rail.....	1,870
383.5	Creston junction, with K. R. & N. Ry.....	1,853
390.9	Sirdar station.....	1,802
392.3	Sirdar junction, with K. R. & N. Ry.....	1,772
393.9	Kootenay Landing.....	1,759
	Kootenay Lake, high water (1894), 1,765; low water (1898-99).....	1,735
	CANADIAN PACIFIC RAILWAY—CROW NEST BRANCH	
	<i>Sundry elevations in Selkirk Mountains between Wardner and Kootenay Landing</i>	
	Kootenay River, 1½ miles above mouth of Sand Creek.....	2,408
	Kootenay River, at mouth of Plumb-bob Creek.....	2,415
	North fork, Gold Creek, 3 miles above junction with main stream.....	3,336
	Gold Creek, at confluence with North fork.....	3,166
	" " " South ".....	3,325
	" " small lake at headwaters.....	3,750
	Yahk River, East fork, small lake at headwaters.....	3,786
	" " at confluence with East fork.....	3,238
	" " where trail leaves to cross to the South fork.....	3,615
	South fork Yahk River, small lake expansion where trail leaves river.....	3,692
	South fork Yahk River at mouth of Deer-lick Creek.....	3,806
	Summit between Deer-lick and Meadow Creeks.....	3,877
	Meadow Creek, small lake at headwaters.....	3,732
	" " ½ mile above cascade.....	3,367
	" " ½ mile below ".....	3,176
	Moyie River at mouth of Meadow Creek.....	2,807
	Goat River at mouth of Kid Creek.....	2,285
	" " at ford.....	2,175
	" " ½ mile below canon.....	1,844
	Moyie River, ½ mile below mouth of Irishman Creek.....	2,937
	CANADIAN PACIFIC RAILWAY—NORTH STAR BRANCH	
Miles from North Star Junction	North Star junction, with Crow Nest branch.....	2,981
0.0	Wanklyn station.....	3,007
4.3	Porteous ".....	3,008
8.8	Kimberly ".....	3,657
16.1		
	CANADIAN PACIFIC RAILWAY—MACLEOD BRANCH	
Miles from Calgary Junc.	Calgary junction, with main line, 2,262.5 miles west of Montreal.....	3,410
0.00	Fish Brook, bed, 3,385; rail.....	3,408
8.18	Midnapore station.....	3,423
8.88	Pine Brook, bed, 3,399; rail.....	3,475
13.05	De Winton station.....	3,621
17.14	Summit, ground and rail.....	3,622
17.75	Okotoks station.....	3,439
26.26		

Miles from Calgary Junc.	CANADIAN PACIFIC RAILWAY—MACLEOD BRANCH	Elevation
27.12	Sheep River, bed, 3,404; rail.....	3,422
28.63	Calgary-Macleod trail crossing.....	3,420
31.00	Stub siding.....	3,590
31.70	Summit.....	3,411
35.73	Tongue-flag Brook, bed, 3,377; rail.....	3,393
38.37	Highwood River, high water, 3,386; low water, 3,380; rail.....	3,394
38.63	High River station.....	3,394
44.13	Summit.....	3,521
48.00	Cayley station.....	3,503
54.00	North Mosquito Creek, high water, 3,333; low water, 3,331; rail.....	3,345
54.77	South Mosquito Creek, " 3,329; " 3,326; ".....	3,342
56.08	Nanton station.....	3,350
69.51	Summit.....	3,441
71.10	Stavely station.....	3,411
80.79	Clareholm ".....	3,380
85.00	Depression.....	3,293
91.30	Summit.....	3,366
92.06	Leavings station.....	3,263
94.33	Calgary-McLeod trail crossing.....	3,232
98.14	Willow Creek, water (July, 1892), 3,133; rail.....	3,153
100.03	Porcupine Hills trail crossing.....	3,176
103.80	West McLeod station.....	3,108
104.10	Old-man River, low water (June, 1892), 3,088; rail.....	3,108
105.90	Calgary and Edmonton junction, with Crow Nest branch.....	3,130
Miles from Calgary Junc.	CANADIAN PACIFIC RAILWAY—EDMONTON BRANCH	
0.00	Calgary junction, with main line, 2,262.5 miles west of Montreal.....	3,410
1.36	Bow River, water, 3,383; bed, 3,375; rail.....	3,396
4.87	Calgary-Edmonton trail crossing.....	3,437
8.87	Beddington station.....	3,464
11.88	Brook, bed, 3,491; rail.....	3,508
19.00	Airdrie station.....	3,538
25.95	Nose Brook, bed, 3,551; rail.....	3,566
28.96	Crossfield station.....	3,622
29.31	Summit.....	3,627
36.82	Chamberlain Brook, bed, 3,369; rail.....	3,386
39.50	Carstairs station.....	3,464
41.61	Summit.....	3,511
46.48	Didsbury station.....	3,300
49.47	Rosebud River, bed, 3,290; rail.....	3,298
56.50	Olds station.....	3,402
66.15	Bowden ".....	3,232
75.26	Innisfail ".....	3,087
83.81	Penhold ".....	2,945
88.08	Waskasoo Brook, 3rd crossing, bed, 2,901; rail.....	2,912
92.00	" 6th " " 2,845; ".....	2,858
93.55	Red Deer station.....	2,806
94.06	Red Deer River, high water, 2,784; low water, 2,773; rail.....	2,798
98.88	Summit.....	2,895
103.80	Blindman River, water, 2,753; rail.....	2,774
105.31	Blackfalds station.....	2,876
111.94	Lacombe ".....	2,783
121.10	Morningside " (summit), ground, 2,801; rail.....	2,798
125.80	Calgary-Edmonton trail crossing.....	2,654
127.47	Battle River, water (Sept. 5, 1890), 2,612; rail.....	2,627
128.48	Ponoka station.....	2,633
133.48	Calgary-Edmonton trail crossing.....	2,604
138.00	Summit.....	2,674
140.25	Hobbema station.....	2,612
150.61	Wetaskiwin ".....	2,480
156.15	Big-stone Brook, bed, 2,440; rail.....	2,470
159.28	Pipestone Brook, water, 2,413; rail.....	2,435
161.42	Millet station.....	2,460
165.43	Summit.....	2,500
172.73	Leduc station.....	2,381
180.20	Black-mud Brook, bed, 2,240; rail.....	2,257
182.12	Otoskwan station.....	2,367
190.60	Edmonton ".....	2,188
191.00	North Saskatchewan River, high water, 2,012; water (Sept. 29, 1890).....	1,995
	Top of bank, north side of valley.....	2,177

Miles from Revelstoke	CANADIAN PACIFIC RAILWAY—ARROW LAKE BRANCH	Elevation
0·0	Revelstoke, junction with main line, 2,526·1 miles west of Montreal.....	1,503
0·9	Illicilliwaet River, high water, 1,447; low water, 1,442; rail.....	1,456
4·0	Columbia River (Montana slough), high water, 1,435; low water, 1,429; rail.....	1,443
15·0	Akotkolex River, bed, 1,398; rail.....	1,426
15·2	Wigwam station.....	1,422
18·8	Columbia River (slough), high water, 1,412; rail.....	1,419
27·4	Arrowhead station.....	1,413
27·4	Upper Arrow Lake, high water (1894), 1,419; low water.....	1,384
Miles from Sicamous	CANADIAN PACIFIC RAILWAY—SHUSWAP AND OKANAGAN BRANCH	
0·0	Sicamous, junction with main line, 2,570·2 miles west of Montreal.....	1,158
1·0	Shuswap Lake, freshet (1885), 1,147; extreme high water, 1,152; low water..	1,136
6·1	Summit, Black Point grade.....	1,181
12·1	Mara station.....	1,156
22·6	Enderby ".....	1,165
25·3	Bennett Brook, bed, 1,150; rail.....	1,166
30·5	Summit, watershed between Columbia and Fraser Rivers.....	1,196
31·5	Armstrong station.....	1,187
37·9	Larkin ".....	1,319
38·9	Summit, rail.....	1,356
46·0	Vernon station.....	1,255
50·8	Okanagan landing.....	1,138
50·8	Okanagan Lake, extreme flood, 1,135; low water.....	1,130
Miles from Robson	CANADIAN PACIFIC RAILWAY—COLUMBIA AND KOOTENAY BRANCH	
0·0	Columbia River at Robson, high water, 1,409; low water.....	1,361
0·0	Robson station.....	1,414
1·9	Pass Creek, bed, 1,397; rail.....	1,411
7·7	Thrums station.....	1,532
12·7	Slocan River, bed, 1,477; rail.....	1,539
15·4	Slocan junction, with Slocan Lake branch.....	1,637
16·5	Bonnington Falls station.....	1,658
23·4	Kootenay River, water, 1,754; rail.....	1,769
23·5	Granite station.....	1,768
27·8	Nelson ".....	1,769
	Kootenay Lake, high water, 1,764; low water.....	1,749
Miles from Slocan Junc.	CANADIAN PACIFIC RAILWAY—SLOCAN LAKE BRANCH	
0·0	Slocan junction, with Columbia and Kootenay branch.....	1,637
6·3	Slocan River, extreme flood.....	1,570
10·8	Park siding.....	1,622
10·8	Slocan River, extreme flood.....	1,618
16·6	" at mouth of Pedro Creek, extreme flood.....	1,695
20·9	Proctor siding.....	1,726
26·3	Lemon Creek station.....	1,790
31·3	Slocan City.....	1,777
31·3	Slocan Lake, high water (1894), 1,773; low water (Feb., 1897).....	1,761
Miles from Nakusp	CANADIAN PACIFIC RAILWAY—NAKUSP AND SLOCAN BRANCH	
	Upper Arrow Lake, high water (1894), 1,419; low water.....	1,384
0·0	Nakusp station.....	1,413
2·0	Slocan trail crossing.....	1,635
4·6	".....	1,903
7·0	Quilquiliskin Creek, bed, 2,045; rail.....	2,099
11·6	Summit, ground, 2,506; rail.....	2,502
12·0	Summit Lake, high water, 2,491; low water.....	2,489
12·5	Summit siding.....	2,500
23·3	Hills (formerly Slocan Lake) station.....	1,785
24·0	Slocan Lake, high water (1894), 1,773; low water (Feb., 1897).....	1,761
28·2	Rosebery station.....	1,795
32·0	Denver Canon siding.....	2,107
35·1	Alamo Concentrator siding.....	2,452

Miles from Nakusp	CANADIAN PACIFIC RAILWAY--NAKUSP AND SLOCAN BRANCH	Elevation
36.3	Three Forks station.....	2,594
37.3	East fork Carpenter Creek, high water, 2,814; low water, 2,800; rail.....	2,826
38.9	" " " 2,981; " 2,978; ".....	2,992
40.5	Sandon station.....	3,488
Miles from West Robson	CANADIAN PACIFIC RAILWAY--ROSSLAND BRANCH	
0.0	West Robson, junction with Boundary branch.....	1,419
1.6	Castlegar station.....	1,418
10.6	Siding No. 2.....	1,544
11.9	Siding No. 1.....	1,405
14.2	Sullivan station.....	1,376
16.6	Murphy ".....	1,367
21.1	Smelter junction.....	1,565
23.1	Trail station.....	1,364
24.0	Warfield station.....	2,018
26.3	Tiger ".....	2,483
27.3	Crown Point station.....	2,638
30.5	Union Avenue ".....	2,975
32.1	Rossland ".....	3,461
	End of track, Leroui mine.....	3,742
Miles from West Robson	CANADIAN PACIFIC RAILWAY--BOUNDARY BRANCH	
0.0	West Robson, junction with Rossland branch.....	1,419
2.5	Material Yard station.....	1,434
11.5	Shields ".....	2,025
	Lower Arrow Lake, high water, 1,416; low water.....	1,382
11.6	Moberly Creek, bed, 1,884; rail.....	2,039
14.2	Bowline Creek, bed, 2,214; rail.....	2,339
	Summit of switch-back (used during construction).....	3,648
22.5	Tunnel, highest point in, rail.....	3,214
22.8	Tunnel station.....	3,206
30.5	Farron station, summit of McRae Pass, ground, 3,983; rail.....	3,985
38.8	Coryell station.....	3,135
47.8	Baker Creek, bed, 2,091; rail.....	2,147
49.4	Rife (formerly Sutherland) station.....	1,978
53.6	Kettle River, high water, 1,469; low water, 1,457; rail.....	1,566
52.2	Cascade station.....	1,587
59.5	Gilpin ".....	1,679
65.5	Kettle River, low water, 1,670; rail.....	1,699
67.1	Grand Forks station.....	1,746
72.7	Fisherman ".....	2,241
81.0	Eholt " , summit of Elholt Pass, ground, 3,109; rail.....	3,096
89.6	Greenwood ".....	2,461
98.8	Midway ".....	1,913
Miles from Rosebery	CANADIAN PACIFIC RAILWAY--NEW DENVER AND SLOCAN BRANCH (projected)	
0.0	Junction with Nakusp and Slocan branch near Rosebery.....	1,785
2.7	New Denver.....	1,800
5.6	Silverton.....	1,799
15.3	Eleven-mile Creek, bed, 1,768; proposed grade.....	1,787
21.0	Slocan, junction with Slocan Lake Branch.....	1,777
Miles from Mission.	CANADIAN PACIFIC RAILWAY--MISSION BRANCH	
0.0	Mission, junction with main line, 2,861.8 miles west of Montreal.....	27
0.7	Fraser River, high water (1882), 25; low water, 5; rail.....	36
4.0	Maple Grove station.....	27
6.5	Abbotsford ".....	89
10.0	Huntingdon ".....	47
10.3	International boundary.....	47

Miles from Westminster Junction	CANADIAN PACIFIC RAILWAY--WESTMINSTER BRANCH	Elevation
0.0	Westminster junction, with main line, 2,888.0 miles from Montreal	34
4.8	Millside station	16
6.4	Sapperton "	15
8.2	New Westminster station	13

Miles from French River	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
FRENCH RIVER TO BOBCAYGEON ROAD		
0·0	Lake Huron at mouth of French River, high water, 582·26; low water, 578·52; mean water.....	580·12
20·0	Lake, water.....	613
24·6	Summit, ground.....	702
25·4	Brook, bed.....	644
35·3	Kawagamong Lake, high water, 664; low water.....	657
40·0	Naked Lake, water.....	764
43·0	Gull " ".....	700
45·4	Summit, ground.....	833
46·5	Sandy Lake, water.....	664
49·8	Shaw " ".....	726
52·6	Bass " ".....	724
53·0	Surprise " ".....	714
56·9	Western boundary Pringle Tp., 190 ft. north of Con. line VIII and IX.....	739
58·5	Rainy Lake, water.....	748
59·0	Deer " ".....	822
59·0	Long " ".....	826
63·7	Intersection of line between lots 20 and 21, 800 ft. north of Con. line II and III, Pringle Tp.....	990
64·2	Brook, lot 22, Con. III, Pringle Tp., water.....	990
66·4	Nipissing road, 900 ft. south of line between lots 160 and 161.....	1,082
69·3	Commanda Brook, 1,800 ft. south of line between Con. XI and XII, Lount, water.....	1,073
70·8	Rat Lake, lot 32, Con. IX, Machar, water.....	1,084
73·4	Eagle Lake, lot 23, Con. VIII, Machar, water.....	1,164
75·0	Summit, lot 18, Con. VII, Machar, ground.....	1,229
75·6	Brook, lot 15, Con. VII, Machar, water.....	1,194
81·5	South boundary of Machar, 1,650 ft. west of east boundary, ground.....	1,144
84·2	Couchie Lake, water.....	1,142
86·5	South River, water.....	1,150
89·4	South River at Bobcaygeon road bridge, water.....	1,202
89·9	Bobcaygeon road.....	1,223
90·4	South River, water.....	1,206
90·8	End of profile at pond, water.....	1,214
FRENCH RIVER TO LAKE AMABLE DU FOND		
0·0	French River, Cantin Bay, high water, 590; low water.....	587
5·4	Pickereel River, water.....	588
10·2	Ground.....	708
18·4	Pickereel River, water.....	663
21·1	Summit.....	722
22·0	Red Pine Lake, water.....	679
22·8	Birch Lake, water.....	676
31·7	Brook, water.....	733
34·8	" ".....	822
44·1	Commanda Brook, water.....	735
45·0	Commanda Lake ".....	738
46·8	Summit.....	779
48·1	Wee Lake, water.....	743
49·3	Brook " ".....	767
57·6	Nipissing road, ground.....	1,020
60·8	Summit.....	1,112
63·7	South River, high water, 879; low water.....	873
68·6	Summit, ground.....	1,172
70·7	Stream, bed.....	1,049
75·8	Summit, ground.....	1,384
78·1	Moon Lake, water.....	1,313
80·6	Branch of South River, water.....	1,220
88·6	Amable du Fond Lake ".....	1,191

Miles	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
CONFLUENCE OF SPANISH AND VERMILION RIVERS TO STURGEON RIVER		
26 29	Round Lake, water.....	787
30	Summit.....	877
31-36	Long or Kenogami Lake, water.....	796
49	Wahnapitae River, below falls, 759; above falls.....	802
58	Bank of Wahnapitae River.....	832
68	Summit.....	940
76	Sturgeon River, water.....	790
LAKE NIPISSING TO MATTAGAMI RIVER		
Miles from Zero near La Nipissing		
0 0	Lake Nipissing, high water, 647·8; low water.....	640·5
19 0	Sturgeon River, below Sturgeon Falls, mean water.....	645
19 1	" above " " ".....	676
25 1	" below Sandy Falls " ".....	680
25 2	" above " " ".....	696
27 2	" below rapids " ".....	697
27 7	" above " " ".....	703
29 5	" below Snoky Falls " ".....	704
29 8	" above " high water, 732; low water.....	722
35 2	" at mouth of Tomiko River, high water, 736·5; low water....	723·5
40 6	" " Piko River, high water, 748; low water.....	725
50 6	" " Snake Brook, high water, 740·6; low water.....	730
52 3	" " Temagami River, high water, 752; low water....	735
66 8	" " Maskinongé River, high water, 795; low water..	785
76 2	" " Wawaskasing Brook, low water, 811; mean water.....	815
111 0	Paul Lake, grade, 1,272; water.....	1,253
114 0	Divide between River St. Lawrence and Montreal River.....	1,433*
133 5	Montreal River, 1st crossing, grade, 1,255; bed.....	1,205
136 8	" 2nd " " 1,225; " ".....	1,185
138 6	" 3rd " " 1,205; " ".....	1,165
150 7	Height of land between River St. Lawrence and Hudson Bay.....	1,250
164 0	Stream from Peter Longs Lake, grade, 1,140; bed.....	1,120
175 5	Mattagami River, 4 miles below Lake Mattagami (at head of "Great" rapid), grade, 1,190; bed.....	1,100
181 8	Tatchicapiqua River, grade, 1,145; bed.....	1,120
191 5	Junction with Division "D," 1871.....	1,125
FRENCH RIVER TO VERMILION RIVER		
7 0	French River at head of Pine rapid, high water, 618; low water.....	614·5
26 0	Lake Wigwasikagumog.....	682
60 0	Long Lake.....	801
72 0	Whitewater Lake.....	963
82 5	Vermilion River, 1 mile below mouth of Wonabing River.....	956
	Lake Huron, mean water.....	580·12
	Spanish River, at junction with East branch.....	640
	" 2 miles below mouth of La Cloche River.....	760
	" 3 " above " " (a small lake expansion).....	810
	" at end of portage to Bark Lake.....	850
	" at mouth of Vermilion River (Osaniminda).....	1,010
	" at end of portage to Lake Pogamasing.....	1,281
	Lake Masinanwaning.....	900
	Lake La Cloche, headwaters of La Cloche River.....	1,116
	Osaniminda River, at end of canoe route to Wakonassish River.....	1,327
	" Vermilion Lake.....	1,460
	Lake Manjabung.....	1,448
	Wakonassish River, at end of canoe route from Osaniminda River.....	1,413
	" Gull Lake.....	1,483
	Lake aux Sables.....	1,518
	River aux Sables, at first lake-expansion above Lake aux Sables.....	1,534

* Elevations from 114·0 to 191·5 miles are barometric.

CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS		Elevation
MISSISSAGI RIVER TO LAKE WENEBEGON		
	Mississagi River, Bark Lake	1,523
	" Green Lake	1,362
	" at mouth of stream from Lac Rond	1,334
	Lac Rond	1,339
	Mississagi River, lake at headwaters	1,577
	River Epinette "	1,470
	River d'Embarras	1,460
	River Cypress, Moulé Lake at headwaters	1,422
	Wenebegon River, at mouth of River d'Embarras	1,460
	" at end of Long Lake portage	1,367
	Summit between Bark Lake and River aux Sables	1,554
	" on canoe-route, Mississagi River to Bark Lake	1,586
	Crossing of Mississagi River, 34 miles from Lake Wenebegon	1,422
	Cypress River, at confluence with Mississagi River	1,386
	" " River Epinette	1,394
	" " Rocher Fendu	1,416
	" 2½ miles below Cypress Lake	1,422
	Lake Cypress or Wagong	1,428
	Green Lake	1,262
	Lake Wenebegon	1,450
LAKE WENEBEGON TO PIC RIVER		
Miles from L. Wenebegon	0·0 Lake Wenebegon	1,315*
	13·5 Garden River, lat. 47° 33' 23"	1,380
	17·35 General level about	1,400
	30·1 Deepwater Lake	1,390
	41·0 Summit	1,600
	42·0 Montreal River, lake expansion?	1,410
	46·7 Summit	1,840
	48·0 Small lake	1,470
	52·4 Shekwamkwa River, 1st crossing	1,384
	53·2 " 2nd "	1,345
	57·6 Summit	1,735
	64·5 Shekwamkwa River, 3rd crossing	990
	65·8 Summit	1,790
	68·0 Michipicoten River, Whitefish Lake	940
	69·0 Summit	1,376
	74·5 Small lake	1,008
	77·2 "	1,107
	78·5 Summit	1,331
	81·2 Magpie River	848
	85·2 Catfish River	855
	87·0 Summit	1,447
	89·2 Doré River	1,030
	93·0 West branch Doré River	1,240
	94·2 Summit	1,364
	97·0 Gull Lake	1,095
	103·4 Dog River	1,101
	110·2 Puckaswa River, Fox Lake	1,396
	112·0 Summit	1,688
	119·2 Mingush Lake	1,454
	125·4 Mingush River, ½ mile above mouth of Owl River	1,376
	129·0 Summit Lake	1,778
	129·4 Summit	1,823
	136·0 Sand-beach River, White Rock Lake	1,230
	140·8 "	1,031
	142·7 "	972
	147·0 White River	968
	164·0 Lake Superior, at mouth of Pic River, mean water (1871-99)	600·54

* This profile gives Lake Wenebegon as 1,315 instead of 1,450, as on the preceding, or 135 feet lower. As both are probably barometric, they may be considered as of equal weight.

Miles from L. Missinabi	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE MISSINABI TO PIC RIVER		
0.8	Lake Missinabi	1,134
4.0	Anjiguna Lake	1,174
21.1	Summit	1,355
24.0	Winjiget Lake	1,265
34.5	Makadawagama Lake	1,265
42.0	Oba River, lake-expansion, 5 miles below Oba Lake	1,250
45.5	"	1,216
49.0	Shore of Oba Lake, near level of lake	1,218
55.7	Height-of-land	1,300
60.0	Shell Lake	1,273
65.0	Moosewater Lake	1,288
68.9	Height-of-land	1,306
69.2	Summit, highest point on line	1,336
70.9	Kabinagaming River	1,278
76.0	Trout Lake	1,298
88.0	Height-of-land between Lake Superior and Hudson Bay	1,439
89.3	" " "	1,450
90.2	Lake Matawanan	1,430
95.0	Lake Caginagocog	1,461
98.2	Height-of-land	1,470
106.0	Lake Kachekatonga	1,386
117.0	Lake Pukatonga	1,200
126.0	Lake Natamasagama	1,115
138.0	East branch Black River, Wabikijikaba Lake	1,064
153.1	Black River	776
163.0	Pic River	602
Miles from Shekwamkwa River	SHEKWAMKWA RIVER TO PIC RIVER	
0.0	Shekwamkwa River at forks	1,051
20.0	Michipicoten River, Whitefish Lake	986
27.5	" " Lake Manitowick	996
29.0	Small lake	1,160
37.0	River Kagagakwabi, lake-expansion	1,144
39.3	" " "	1,278
43.7	Small lake	1,209
46.6	Magpie River, lake-expansion	1,014
54.2	Branch of Magpie River	1,227
60.7	Small lake	1,355
69.2	"	1,304
72.5	Dog Lake, lat. 48° 20' N., and long. 85° 15' W	1,331
78.0	Dog River, lake-expansion	1,333
81.0	Pucka Lake, Nequazo River	1,298
88.8	White River, at mouth of Fish River	1,280
115.0	Lake Natamasagama	1,107
124.0	White River	1,061
134.0	Lake Agitamoo	1,042
150.0	Lake Superior, mean water (1871-1899)	600.54
Miles from Nipigon	NIPIGON RIVER TO LONG LAKE	
0.0	Nipigon River, water	600.5
0.8	Summit, ground, 703; grade	671
5.0	Lake Helen, water	608
13.2	Stream, bed, 649; grade	736
14.9	" " water, 751; grade	811
17.4	" " " 816; "	827
19.4	Lake, water, 825; "	836
21.3	Summit (lake just east of summit, 841, and one just west, 889), ground	963
22.9	Third Lake, water	889
25.3	Lake Nipigon, water	850
32.4	Summit, ground	1,011
37.0	Lake, water	1,060
46.2	River "	1,342

Miles from Nipigon	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
NIPIGON RIVER TO LONG LAKE—Concluded		
55.5	Poplar River, water.....	1,377
62.0	Lake, water.....	1,365
67.8	River ".....	1,366
70.3	Summit, ground.....	1,443
72.5	Otter Lake, water.....	1,415
74.9	Whitefish Lake, water.....	1,244
76.1	Kestrel ".....	1,298
78.6	Summit, height-of-land between Lake Superior and Hudson Bay.....	1,345
71.7	Depression, ground.....	1,226
88.0	River, water.....	1,224
94.3	Summit, ground.....	1,284
97.3	River, water.....	1,124
98.8	Summit, ground.....	1,190
100.9	Little Long Lake, water.....	1,082
105.2	River, water.....	1,070
116.3	Summit, ground.....	1,141
122.0	" ".....	1,158
126.0	Long Lake, water.....	1,013
LAKE NIPIGON TO THE HEIGHT-OF LAND		
Miles from Zero		
0.0	Zero is 36.84 miles on Austin's line, Division 1, 1872.....	909
3.1	Stream, water.....	1,008
3.2	Summit, ground.....	1,055
4.8	Small stream, water.....	1,001
6.4	Summit, ground.....	1,083
6.7	Trout Brook, water.....	969
9.2	Kabototiquia River, water.....	1,008
10.7	" ".....	1,106
10.9	" ".....	1,118
11.1	" ".....	1,130
13.0	" ".....	1,188
14.3	Tattnall Lake.....	1,244
15.5	Lake to north.....	1,248
17.6	" ".....	1,296
19.8	Summit, ground.....	1,307
23.1	Gull River (5 miles south of mouth of Roaring River), water.....	1,115
28.0	Summit, ground.....	1,352
28.2	Roaring River, water.....	1,337
31.0	Summit, ground.....	1,431
34.8	Round Lake, water.....	1,375
40.6	Summit, ground.....	1,520
42.0	Kitchiwatchi Lake, water.....	1,438
43.5	Donald " ".....	1,473
47.1	Salter " ".....	1,478
47.4	Wabiteek " ".....	1,483
48.0	Loon " ".....	1,481
48.4	Duck " ".....	1,487
53.0	Kashishibog " ".....	1,474
56.0	Clearwater " ".....	1,484
57.1	Summit, height-of-land between Lake Superior and Hudson Bay waters, ground.....	1,588
59.0	End of profile at small lake.....	1,467
LAKE HELEN TO LAKE NIPIGON		
Miles from L. Helen		
0.0	Lake Helen, water, 606; grade.....	620
0.9	Brook, water, 631; grade....	655
3.4	" " 650; ".....	706
7.5	" " 810; ".....	832
9.5	Summit, ground, 899; grade.....	851
9.7	First Lake, water, 824; grade.....	842
11.1	Second Lake, water, 838; grade.....	846
11.7	Summit between Helen and Nipigon lakes, ground, 964; grade.....	878
13.0	Third Lake, water, 884; grade.....	894
	Lake Nipigon, water.....	850

Miles from Black Sturgeon River	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BLACK STURGEON RIVER TO WABINOSH RIVER		
<i>Division I, 1872</i>		
0.0	Near crossing of Black Sturgeon River, ground....	721
1.7	Summit, ground.....	823
4.6	Brook, water.....	783
5.1	Summit, ground.....	842
11.1	Nonwatan River, high water, 749; ordinary water.....	746
13.6	Summit, ground.....	878
18.5	Black Sturgeon Lake at mouth of Menaie River, high water, 832; ordinary water.....	829
21.9	Brook, bed, 845; water.....	851
23.4	" water.....	834
25.0	Summit, ground.....	900
28.9	Brook (near Black Sturgeon Lake); water.....	832
32.2	Summit.....	968
35.3	Poshkokagan River, high water, 868; water.....	866
36.2	Summit.....	957
43.4	Kabitotiquia River, high water, 860; water.....	857
49.4	Brook, water.....	852
57.7	Gull River (about 3 miles in straight line from mouth), high water, 863; water.....	859
64.0	Level, ground.....	924
67.8	Summit ".....	968
72.8	Wabinoah River, high water, 916; water.....	913
74.4	End of profile.....	933
DOG RIVER TO LAKE NIPIGON		
<i>Division M., 1873</i>		
0.0	Ground.....	1,632
1.8	Small lake (drains into Dog River), water.....	1,569
8.4	Dog River, bed, 1,543; water.....	1,546
10.5	Small lake, water.....	1,571
12.1	" ".....	1,561
13.6	Summit, ground.....	1,683
17.3	Small lake, water.....	1,540
19.0	" ".....	1,618
21.2	Summit, between waters of Dog and Poshkokagan rivers, ground.....	1,539
21.5	Small lake, water.....	1,626
25.2	Summit, ground.....	1,739
27.1	Stream, water.....	1,615
29.2	Summit, ground.....	1,733
30.2	Small lake, water.....	1,664
38.8	" (drains to Poshkokagan River), water.....	1,528
41.0	" " " ".....	1,491
45.0	Poshkokagan Lake, water.....	1,353
50.4	Summit, ground.....	1,543
50.8	Small lake, water.....	1,474
57.3	Branch of Poshkokagan River, bed.....	1,263
70.5	Lac de Lune, water.....	964
72.0	Small lake, ".....	997
78.4	End of profile.....	1,118
BLACK STURGEON LAKE TO BASKET LAKE		
<i>Division N., 1874</i>		
0.0	Austin's line near Black Sturgeon Lake, ground.....	860
4.0	Lake, water.....	1,019
4.4	Summit, ground.....	1,069
6.4	Lake, water.....	957
8.2	Depression, ground.....	938
10.7	Summit.....	1,065
11.9	Depression.....	1,047
18.8	Stream, bed.....	1,238

Miles from Black Sturgeon Lake	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BLACK STURGEON LAKE TO BASKET LAKE—Concluded		
<i>Division N, 1874—Concluded.</i>		
21.1	Summit, ground.....	1,367
21.9	Lake, water.....	1,334
29.9	Summit, ground.....	1,631
34.0	Stream, bed.....	1,433
42.7	Summit, ground.....	1,572
43.9	Lake, water.....	1,493
45.4	River ".....	1,465
48.3	Small lake, water.....	1,507
50.7	Summit, ground.....	1,757
51.7	Lake, water.....	1,437
53.2	" ".....	1,507
55.1	Summit, ground.....	1,562
55.9	Lake, water.....	1,486
57.8	" ".....	1,479
62.2	Summit, ground.....	1,578
63.4	Lake, water.....	1,526
65.4	" ".....	1,507
65.3	Summit, height-of-land between Lake Superior and Hudson Bay, ground.	1,571
66.8	Small lake, water.....	1,595
68.4	Junction with Division O., 1874, ground.....	1,575
<i>Division O., 1874</i>		
0.0	Junction with Div. N., 1874, ground.....	1,575
1.0	Lake, water.....	1,534
4.7	Summit, ground.....	1,577
7.0	Lake, water.....	1,533
9.6	Summit, ground.....	1,591
11.7	River, water.....	1,505
13.7	Lake ".....	1,494
15.4	Summit, ground.....	1,585
17.7	Lake, water.....	1,505
23.8	" ".....	1,548
26.3	Summit, ground.....	1,605
28.1	Lake, water.....	1,495
31.8	" ".....	1,592
36.0	Summit, ground.....	1,558
40.4	Lake, water.....	1,522
42.0	" ".....	1,534
47.0	English River, 1st crossing, water.....	1,452
49.9	Summit, ground.....	1,511
57.0	English River, 2nd crossing, water.....	1,340
57.8	Summit, ground.....	1,485
58.3	Brook, bed.....	1,397
61.1	Summit, ground.....	1,460
67.8	Lake, water.....	1,313
72.0	" ".....	1,312
73.4	English River, 3rd crossing, water.....	1,312
76.0	Barrel Lake, water.....	1,312
84.2	Lake ".....	1,362
84.7	Summit, ground.....	1,394
86.0	Lake, water.....	1,355
89.7	" ".....	1,322
94.1	Summit, ground.....	1,424
96.0	Lake, water.....	1,332
99.5	Summit, ground.....	1,383
102.0-109.8	Basket Lake.....	1,337
110.0	Summit, ground.....	1,428
111.5	Lake, water.....	1,302
113.3	End of profile (station 2695.47, Jarvis' line), ground.....	1,294

Miles from L. Windigoostigwan	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE WINDIGOOSTIGWAN TO MANITOU LAKE		
0.0	Zero is 0.65 miles west of Windigoostigwan Lake outlet and on left bank of French Brook, ground.....	1,450
9.0	Pickereel or Kaogassikok Lake, water.....	1,337
13.0	Brook, water.....	1,382
14.4	Lake ".....	1,386
17.7	" ".....	1,393
21.3	Island Lake, water.....	1,393
27.2	Summit, ground.....	1,539
34.6	Lake on canoe-route, Sturgeon Lake to Seine River, water.....	1,347
35.2	Summit, ground.....	1,378
38.6	Perch Lake.....	1,249
48.0	Bay of Seine River, water.....	1,240
48.5	Summit, ground.....	1,318
58.0	Seine River, water.....	1,146
59.7	" ".....	1,141
64.4	Summit, ground.....	1,241
65.9	Little Turtle Brook, water.....	1,136
74.6	Lake, water.....	1,133
77.8	Turtle Lake, water.....	1,133
81.8	Bay of Turtle River, water.....	1,136
83.8	Summit, ground.....	1,202
84.9	Hawk or Heron River, water.....	1,180
86.6	Lake, water.....	1,219
90.0	Heron Lake, water.....	1,184
91.2	Summit, ground.....	1,330
93.2	Lake, water.....	1,190
94.7	River ".....	1,204
95.5	Summit, ground.....	1,250
97.2	Brook, water.....	1,189
99.0	Atukamamoan Lake, water.....	1,189
101.7	Dog or Sakwito Lake, water.....	1,199
106.5	Summit, ground.....	1,394
108.3	Island Lake, water.....	1,331
110.3	Caterpillar Lake, water.....	1,350
112.4	Summit, ground.....	1,451
117.0	Caribou Lake, water.....	1,236
117.5	Summit, ground.....	1,397
118.7	Manitou Lake, water.....	1,215
119.5	Lake Harris.....	1,223
120.9	Lake ".....	1,277
123.3	Summit, ground.....	1,414
124.0	Lake, water.....	1,283
MOUTH OF NIPIGON RIVER TO LINKOOPING		
NOTE—These elevations are only approximate		
0.0	Nipigon River at mouth, water.....	600.5
4.2	Large stream, bed.....	829
13.8	Summit, ground.....	1,253
17.9	Black Sturgeon River, bed.....	745
18.5	Summit, ground.....	1,281
21.7	Sucker River, bed.....	849
29.0	Summit, ground.....	1,394
33.37	Lake, water.....	1,153
54.1	Summit, ground.....	1,675
56.2	Lake, water.....	1,561
60.5	Summit, ground.....	1,643
68.0	Dog Lake, water.....	1,378
89.4	Dog River, first rapids.....	1,386
97.5	Junction with located line at station 3201 near Linkooping station.....	1,470

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops</i>		
0·0	East Selkirk, leaves present main line, Canadian Pacific Railway, 1,402·7 miles from Montreal. See page 9.....	744
1·5	Red River, extreme high water (1826), 731; flood (1852), 725; ordinary high water, 721; bed, 697; ice (1876).....	711
9·9	* "Korma".....	750
18·7	"Cowper".....	761
24·4	Summit, ground.....	861
28·7	"Acadie".....	898
37·4	"Cottonwood".....	902
38·9	Summit.....	909
46·0	"Carlyle".....	868
46·6	Shoal Lake, high water, 856; grade.....	860
55·5	"Moustrie".....	865
64·3	"Eldon".....	857
71·0	"Borodino".....	854
79·4	"Grattan".....	837
86·8	"Gough".....	835
88·9	Summit, ground.....	838
94·4	"Donnacona".....	822
96·0	Dog Lake, water, 815; grade.....	819
104·1	"Vapna".....	819
107·1	Lake Manitoba at "Narrows," high water, 814·5; low water, 808·5; water, (Dec., 1874), 810; grade.....	824
109·4	"Cartier".....	841
120·8	"Novrad".....	825
129·6	"Braidwood".....	840
133·9	Crane River, water.....	835
138·3	"Speke".....	855
146·6	"Logan".....	846
155·3	"Haywood".....	845
163·4	"Hogarth".....	848
164·2	Brook, water.....	829
171·7	Mossy River, water, 830; grade.....	839
172·3	"Poutrincourt".....	846
177·8	Brook, high water, 832; low water.....	829
179·5	"Vandyck".....	838
187·7	"Blackwood".....	924
188·6	Brook, high water, 916; ordinary water.....	913
191·6	" " " 944; " ".....	942
195·7	"Longueville".....	965
195·9	Pine River, water.....	955
203·3	Duck River South, water, 1,025; grade.....	1,031
204·3	"Sussex".....	1,040
213·0	Duck River North, high water, 1,168; ordinary water.....	1,166
213·5	"Petrovka" (at north end of Duck Mountain).....	1,189
214·4	Summit, ground, 1,238; grade.....	1,207
216·3	Lake, water.....	1,172
220·5	"Northcote".....	1,174
229·3	"Hennepin".....	1,173
231·8	West branch Favell River, high water, 1,154; ordinary water, 1,149; grade.....	1,162
237·7	"Coleridge".....	1,211
240·9	Rolling River, high water, 1,182; ordinary water, 1,180; grade.....	1,129
245·2	"Erskine".....	1,286
254·6	"Skalholt".....	1,384
256·2	Bears-head Creek, high water, 1,344; ordinary water, 1,341; grade.....	1,372
264·3	"Doyle".....	1,455
271·9	"Livingstone" (8½ miles north of Fort Pelly).....	1,506
273·3	Snake Creek, high water, 1,396; ordinary water, 1,395; grade.....	1,476
	Old-wives Creek, ordinary water.....	1,551
278·8	"Alice".....	1,640
283·8	Lake, water.....	1,669
286·1	"Malmo" (summit).....	1,739

* Names in quotation marks are proposed stations on the old location

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops—Continued.</i>		
287.6	Lake, water	1,711
291.7	Stoney Creek, water	1,684
292.5	"Morland"	1,706
302.1	East branch Assiniboine River, high water, 1,636; ordinary water, 1,634; grade	1,689
302.9	"Assiniboine"	1,701
309.9	South branch Assiniboine River, high water, 1,678; ordinary water, 1,677; grade	1,704
310.6	"Leyden"	1,721
313.3	Depression	1,663
320.4	"Stopford"	2,013
322.5	Summit, grade	2,037
330.5	"Nut Hill"	1,977
339.3	Pond, water, 1,917; grade	1,922
341.7	"Murchison"	1,862
348.4	Mink Lake, water	1,805
350.4	"Killyleagh"	1,816
358.1	Cygnets Lake, high water, 1,786; ordinary water, 1,785; grade	1,791
359.5	"Thackeray"	1,800
362.3	Raspberry Lake, high water, 1,787; ordinary water	1,785
368.6	"Nasmyth" (near Quill Lake)	1,795
377.3	"Buckstone" (summit)	1,847
385.0	Muddy Creek, water, 1,784; grade	1,792
387.7	"Thorwaldsen"	1,821
394.3	Summit, grade	1,891
395.8	"Swanholm"	1,882
396.4	Carlton and Quill Lake trail, grade and ground	1,881
400.7	Lake, water, 1,829; grade	1,836
406.0	"Humboldt"	1,870
414.4	"Gotland"	1,826
417.4	Carlton (Middle ferry) trail	1,813
420.3	Summit	1,877
422.6	"Denholm"	1,850
425.9	Pond, water, 1,785; grade	1,819
426.9	Carlton (Upper ferry) trail	1,848
432.8	"Baldwin"	1,866
436.4	Summit	1,896
443.7	"Grenoble"	1,809
451.1	Depression	1,676
453.7	"Finland"	1,714
460.4	"Roundell"	1,690
467.7	"Saskatchewan"	1,639
469.3	South Saskatchewan River, high water, 1,528; ordinary water, 1,514; grade	1,594
475.3	"Oldred"	1,670
482.4	Summit	1,703
484.5	Trail crossing	1,695
484.7	"Goulburn"	1,697
495.3	"Bethlehem"	1,638
503.5	"Caerlaverock"	1,536
509.3	Eagle Hill Creek, high water, 1,476; low water, 1,461; grade	1,504
515.3	"Normanfield"	1,512
516.3	Stream, high water, 1,477; grade	1,508
525.6	"Ronaldsa"	1,661
527.7	Summit	1,674
534.1	"Raith"	1,586
543.1	"Eagle Hill"	1,606
551.6	"Hecla"	1,575
555.5	Battle River, high water, 1,518; ordinary water, 1,510; grade	1,564
558.0	"Battleford"	1,609
566.1	"Coalbrook"	1,678
568.0	Summit	1,709
574.0	"Wolfhill"	1,698
584.6	Lake, high water, 1,751; ordinary water, 1,749; grade	1,753
586.3	Nabikwan	1,779
596.8	"B"	1,819
605.3	"C"	1,922

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY--TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION--MAIN LINE		
<i>Selkirk to Kamloops--Continued</i>		
613.0	Fort Pitt trail ..	2,099
614.0	Summit	2,109
614.3	"D"	2,106
617.6	Stream, bed, 2,027; grade..	2,036
619.6 621.8	Depression, ground.....	2,007
626.3	"E"	2,015
629.7	Willow Hill (summit).....	2,092
636.3	"F"	2,119
638.9	Blackfoot Coulee, grade	2,051
642.6	Blackfoot Hills summit, ground, 2,210; grade.....	2,180
645.3	Depression.....	2,110
646.4	Summit, ground, 2,176; grade.....	2,158
648.8	"G"	2,095
650.5	Lake, high water, 2,044; grade.....	2,056
658.3	"H"	2,159
659.1	Summit	2,169
666.3	"Grizzly Bear"	2,139
669.0	Grizzly Bear Coulee, high water, 1,905; ordinary water, 1,903; grade.....	2,064
675.0	Summit, ground, 2,318; grade.....	2,312
679.3	"I"	2,204
683.3	Summit	2,289
690.8	"K"	2,234
691.9	Buffalo Coulee, high water, 2,133; ordinary water, 2,132; grade.....	2,229
695.3	Summit	2,364
701.8	"L"	2,319
712.3	"M"	2,319
724.3	"N"	2,237
726.6	Vermilion River, water, 2,220; grade.....	2,228
734.3	"O"	2,281
743.3	"P"	2,357
753.8	"Q"	2,467
764.3	"R"	2,494
770.2	Summit, ground	2,549
775.3	"S"	2,494
783.6	Coulee, bed, 2,259; grade	2,354
784.8	Depression, grade.....	2,331
788.1	"Edmonton," Sec. 26, Tp. 49, R. XXV, West of 4th Meridian	2,407
799.3	"Grandin"	2,371
808.8	North Saskatchewan River, extreme high water, 2,114; low water (April 6, 1876), 2,094; grade	2,191
811.8	"Siksika"	2,311
817.8	Summit, ground, 2,497; grade.....	2,481
821.0	"Laplaire"	2,413
824.8	Cart trail, old White Mud Port to Edmonton, ground, 2,374; grade.....	2,391
828.3	White Lake Brook, water, 2,246; grade.....	2,339
830.4	"Palliser"	2,404
833.5	Summit, ground, 2,531; grade.....	2,513
836.3	White Lake, water, 2,369; grade	2,373
839.0	Summit, ground, 2,418; grade.....	2,416
842.0	"Belcour"	2,398
846.0	Stream, bed, 2,363; grade.....	2,380
849.8	Summit, ground, 2,491; grade.....	2,476
854.8	"Lobstick"	2,509
858.1	Pembina River, high water, 2,327; ordinary water, 2,315; grade.....	2,402
859.7	Lobstick Brook " 2,343 " 2,335 "	2,387
861.4	" " 2,421 " 2,413 "	2,436
862.5	" " 2,458 " 2,450 "	2,488
866.2	"Langlade"	2,577
869.7	Summit, ground and grade.....	2,640
876.2	"Southesk"	2,679
883.2	Crane River, water, 2,630; grade	2,705
886.8	"Cheadle"	2,754
892.5	Lobstick Brook, high water, 2,795; ordinary water, 2,785; grade.....	2,816
896.8	Summit, ground, 3,028; grade.....	3,017

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
ORIGINAL LOCATION—MAIN LINE		
<i>Selkirk to Kamloops—Continued</i>		
899.4	Moose River, high water, 2,852; ordinary water, 2,846; grade.....	2,892
900.3	"Root River".....	2,912
901.7	Root River, high water, 2,901; ordinary water, 2,898; grade.....	2,918
907.6	Summit between Pembina and McLeod rivers, ground.....	3,045
912.0	Wolf River, high water, 2,909; ordinary water, 2,903; grade.....	2,933
918.7	"Lacombe".....	3,037
922.4	"Montbrun".....	3,000
928.1	McLeod River, high water, 2,938; ordinary water, 2,929; grade.....	2,985
931.4	"McLeod".....	3,054
935.5	Medicine Lodge Creek, high water, 3,110; ordinary water, 3,106; grade.....	3,128
942.0	"Beaver" (summit), ground, 3,394; grade.....	3,392
952.0	"Vallad".....	3,459
955.3	Summit, ground, 3,573; grade.....	3,562
960.3	"Ponoka".....	3,359
965.4	Stream, water, 3,139; grade.....	3,162
972.1	"Bayonette" ("Hardisty"), ground, 3,215; grade.....	3,217
978.5	Prairie River, water, 3,153; grade.....	3,188
980.0	Summit, ground, 3,293; grade.....	3,267
982.3	"Hector".....	3,250
987.4	Athabasca River, high water, 3,201; grade.....	3,233
991.9	"Grand Portal".....	3,237
1,001.5	Athabasca River, water, 3,218; grade.....	3,224
1,001.7	"Jasperia," ground, 3,233; grade.....	3,235
1,004.4	Assiniboine River, water, 3,304; grade.....	3,313
1,007.8	Jasper Lake (Athabasca River), water, 3,256; grade.....	3,263
1,010.8	"Miniwakan".....	3,268
1,015.8	Snaring River, water, 3,303; grade.....	3,308
1,020.9	"Athabasca".....	3,353
1,023.7	Athabasca River, water, 3,224; grade.....	3,332
1,030.7	"Myette".....	3,447
1,031.0	Myette River, 1st crossing, water, 3,436; grade.....	3,443
1,038.1	" " 2nd crossing, bed, 3,606; grade.....	3,620
1,039.5	"Summit Meadow," ground, 3,622; grade.....	3,621
1,043.5	Myette River, 3rd crossing, bed, 3,703; grade.....	3,707
1,043.6	Summit, Yellowhead Pass, 1,452 4 miles from Lake Superior—	
	Ground, by levels from Lake Superior.....	3,719
	" " Burrard Inlet.....	3,756
	" " Bute Inlet.....	3,739
	Mean.....	3,738
1,045.7	"Yellowhead".....	3,663
1,046.1	Yellowhead Lake, high water 3,635; water (Sept., 1875).....	3,632
1,049.6	Fraser River, water 3,617; grade.....	3,674
1,053.6	" " " 3,507; ".....	3,584
1,056.4	"Wastedo".....	3,512
1,062.9	"Moose Lake".....	3,434
1,064.9	Moose Lake, high water 3,404; water, (Oct., 1875).....	3,399
1,071.8	"Fraser".....	3,429
1,072.6	Fraser River, high water 3,379; ordinary water, 3,377; grade.....	3,419
1,081.7	Glacier Brook, water, 2,989; grade.....	3,019
1,081.8	Bute Inlet line diverges to north-west at this point.....	3,015
1,101.6	Cranberry Lake, water, 2,580; grade.....	2,585
1,103.2	Summit, ground, 2,682; grade.....	2,653
1,105.0	Canoe River, water, 2,559; grade.....	2,574
1,107.1	Camp River, water, 2,578; grade.....	2,588
1,112.8	" " high water, 2,789; grade.....	2,794
1,114.7	Summit between Canoe and North Thompson rivers, ground (proposed grade 17 feet lower)—	
	By levels from summit of Yellowhead Pass, as above.....	2,886
	" " Burrard Inlet.....	2,904
	NOTE.—From this summit to Kamloops the levels are based on mean sea- level at Burrard Inlet.	
1,116.3	Albreda Lake, high water, 2,861; grade.....	2,867

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
	ORIGINAL LOCATION—MAIN LINE	
	<i>Selkirk to Kamloops—Concluded</i>	
1,120.5	Albreda River, water, 2,753; grade.....	2,770
1,123.5	" 3 miles above confluence with North Thompson, high water, 2,609; low water, 2,607; grade.....	2,634
1,128.3	North Thompson River, near mouth of Albreda River, high water, 2,409; low water, 2,404; grade.....	2,414
1,134.8	N. Thompson River, high water, 2,325; low water, 2,321; grade.....	2,352
1,145.7	" " 2,269 " 2,265 ".....	2,299
1,147.2	Green River, 2,000 feet from mouth, high water, 2,278; low water, 2,276; grade.....	2,281
1,147.3	" Horsetail ".....	2,281
1,152.7	" Grand Prairie ".....	2,230
1,154.2	North Thompson River, high water, 2,219; low water, 2,210; grade.....	2,227
1,155.6	Blue River, 1 mile from mouth, high water, 2,225; low water, 2,211; grade..	2,235
1,161.6	" Meadow Patch," ground, 2,213; grade.....	2,205
1,163.0	North Thompson River at " Burrard's cache " (end of portage), water.....	2,193
1,165.8	" Porcupine ".....	2,161
1,168.1	North Thompson River, head of cañon, high water, 2,079; low water, 2064; grade.....	2,096
1,172.3	N. Thompson River, head of still-water, high water, 1,932; low water, 1,925; grade opposite.....	1,984
1,174.8	" Quartzite ".....	1,915
1,179.2	" Stillwater ".....	1,910
1,185.1	" Floating Bridge ".....	1,903
1,185.1	N. Thompson River, high water, 1,900; low water.....	1,895
1,191.4	" " at head of Little Cañon, high water, 1,809; low water..	1,803
1,193.2	" Round Prairie," ground, 1,845; grade.....	1,835
1,194.9	North Thompson River, high water, 1,727; low water, 1,722; grade opposite..	1,809
1,197.8	Mad River, high water, 1,680; low water, 1,678; grade.....	1,725
1,197.8	North Thompson River, at mouth of Mad River, high water, 1,669; low water	1,665
1,198.8	N. Thompson River, high water, 1,641; low water, 1,634; grade.....	1,722
1,204.9	" " 1,522 " 1,517 ".....	1,535
1,214.9	" " 1,407 " 1,403 ".....	1,415
1,216.2	" Marten ".....	1,397
1,221.3	N. Thompson River, at mouth of Raft River, high water, 1,351; low water, 1,346; grade opposite.....	1,371
1,225.1	N. Thompson River, at mouth of Clearwater River, high water, 1,328; low water, 1,321; grade opposite.....	1,345
1,231.8	" Mosquito ".....	1,305
1,235.1	N. Thompson River, at Assiniboine Ridge, high water, 1,295; low water, 1,286; grade opposite (cut 43 feet).....	1,325
1,250.1	N. Thompson River, opposite church, Indian reserve; high water, (1876,) 1,265; low water.....	1,255
1,250.9	" Reserve," ground, 1,274; grade.....	1,266
1,257.4	N. Thompson River at White Clay bluffs, high water, 1,257; low water.....	1,248
1,264.0	" " at head of cañon, high water, 1,235; low water.....	1,224
1,268.3	" " at foot of cañon, high water, 1,218; low water, 1,207; grade opposite.....	1,235
1,269.3	" Fish Trap ".....	1,220
1,277.0	" Kenough ".....	1,220
1,282.6	N. Thompson River at Jamieson bluff, high water, 1,175; low water.....	1,163
1,284.7	" Meridian Bend ".....	1,210
1,293.9	" St. Paul ".....	1,169
1,293.9	North Thompson River, high water, 1,146; low water.....	1,136
1,298.1	South " " 1,143; " 1,133; grade.....	1,160
1,298.6	Kamloops station; at this point it joins the constructed line of the Canadian Pacific Railway 2,654.3 miles from Montreal.....	1,160
	PROJECTED MAIN LINE, SOUTH OF LAKE MANITOBA	
	<i>" Minnedosa " Line</i>	
0.0	East bank of Red River at East Selkirk, grade.....	743
0.4	Red River, freshet (1852), 728; (1826), 734; ice (1876).....	714
10.4	Marsh, Sec. 25, Tp. 13, R. III, east of 1st Mer., water 756; grade.....	757
19.8	Junction with Stonewall branch, Sec. 2, Tp. 13, R. II, E. rail.....	7
Miles from E. Selkirk		

Miles from E. Selkirk	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
PROJECTED MAIN LINE, SOUTH OF LAKE MANITOBA—Continued		
"Minnedosa" Line—Concluded		
28.7	Summit, ground and grade	813
29.1	Principal Meridian, Sec. 30, Tp. 13.	806
48.1	Long Lake, Sec. 22, Tp. 13, R. IV, W. water 802; grade	805
59.9	Sec. 28, Tp. 13, R. IV, W. ground 813; grade	815
64.4	Portage Brook, water, 814; grade	824
74.8	Rat " " 831 "	834
91.2	Squirrel " " 907 "	912
96.2	Pine " high water 935; low water 931; grade	945
103.5	Line between Sec. 6, R. XII, W. and Sec. 1, R. XIII, Tp. 13, old boundary between Manitoba and North West Territories	1,019
109.3	Summit, Sec. 6, Tp. 13, R. XIII, W., ground 1,303; grade	1,295
117.6	Willow or Boggy Brook, Sec. 24, Tp. 13, R. XV, W., bed 1,228; grade	1,258
126.9	Brook, Sec. 9, Tp. 14, R. XVI, W. bed 1,395; grade	1,412
136.7	Summit, Sec. 5, Tp. 15, R. XVII, W. ground 1798; grade	1,795
141.3	Little Saskatchewan River, Sec. 4, Tp. 15, R. XVIII, W. water, 1,645, grade	1,662
142.9	Brook, Sec. 5, Tp. 15, R. XVIII, W., bed, 1,726; grade	1,795
150.8	Long Lake, Tp. 15, R. XIX, W., water, 1,929; grade	1,945
161.2	Summit, ground, 2,008; grade	2,004
174.3	Lake, water, 1,809; grade	1,873
180.0	Oak River, water, 1,892; grade	1,905
185.3	Summit, ground, 2,014; grade	2,006
189.5	Summit, ground, 2,044; grade	2,035
191.4	Brook, bed, 1,977; grade	1,993
193.4	Summit, ground, 2,023; grade	2,013
197.2	Brook, bed, 1,740; grade	1,789
201.3	Birdtail Brook, bed, 1,688; grade	1,705
203.4	Shell River trail, ground, 1,742; grade	1,749
206.4	Brook, bed, 1,897; grade	1,915
"Rapid City and Otonah" Line		
0.0	Zero is near the N.E. corner of Sec. 25, Tp. 12, R. XIII., and on the line be- tween R. XII. and XIII, (old western boundary of Manitoba) and 1.5 miles south of the 'Minnedosa' line at 103.48 miles from Selkirk..	1,038
10.0	Ground and grade, Sec. 28, Tp. 12, R. XIV, W.	1,285
15.3	Boggy or Willow Brook, Sec. 27, Tp. 12, R. XV, W., water, 1,246; grade	1,256
16.0	Summit, Sec. 27, Tp. 12, R. XV, W., grade and ground	1,277
23.3	South Saskatchewan trail, S.E. corner Sec. 4, Tp. 13, R. XVI, W.	1,317
29.3	Brook, Sec. 4, Tp. 13, R. XVII, W., water, 1,495; grade	1,502
35.0	Sec. 9, Tp. 13, R. XVIII, W., ground, 1,675; grade	1,670
39.0	Summit, Sec. 14, Tp. 13, R. XIX, W., ground, 1,776; grade	1,775
40.2	"Rapid City" station ground, Sec. 15, Tp. 13, R. XIX, W., grade	1,767
45.1	Little Saskatchewan River, Sec. 19, Tp. 13, R. XX, W., bed, 1,543; grade ..	1,566
50.0	Grade and ground	1,800
55.0	" "	1,844
60.0	" "	1,840
65.0	" "	1,824
67.4	Brook, water, 1,891; grade	1,815
70.0	Ground, 1,815; grade	1,808
75.5	Raven Lake, water, 1,791; grade	1,794
75.7	Shoal Lake " 1,793 "	1,796
79.1	Three-mile Brook, water, 1,789; grade	1,794
86.1	Arrow River, water, 1,771; grade	1,782
90.0	Ground and grade	1,782
94.8	Birdtail Brook, near line between Secs. 15 and 16, Tp. 13, R. XXVI, water, 1,590; grade	1,620
97.7	Sec. 25, Tp. 18, R. XXVI, W., ground, 1,731; grade	1,728
102.6	Summit, Waywayscappo Reserve, ground, 1,833; grade	1,828
106.5	Brook, Sec. 20, Tp. 19, R. XXVI., bed, 1,809; grade	1,816
110.7	Sec. 11, Tp. 20, R. XXVII, W., grade and ground	1,836
114.4	Brook, Sec. 20, Tp. 20, R. XXVII, W., bed, 1,819; grade	1,832
116.9	Summit, Sec. 36, Tp. 20, R. XXVIII, W., ground, 1,878; grade	1,872

[illegible]

Miles from Roche Percée	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
MANITOBA SOUTHWESTERN COLONIZATION RY.		
<i>Roche Percée to Carman—South of Swan Lake</i>		
0'0	Roche Percée (line between Secs. 25, R. VII, and 30 R. VI, Tp. 1, W. of 2nd Mer.)	1,739
5'6	Souris River, high water, 1,717; low water.	1,700
12'0	Summit, Sec. 28, Tp. 2, R. V.	1,881
23'9	" " 23, " 3, " IV.	1,914
32'2	Moose Mountain Brook, line between Sec. 33, Tp. 3, and Sec. 4, Tp. 4, R. II, water	1,726
34'6	Summit, line between Sec. 35, Tp. 3, and Sec. 2, Tp. 4, R. II.	1,918
45'9	South Antler Brook, Sec. 31, Tp. 3, R. XXXIII, W. of 1st Mer., bed.	1,746
47'2	Summit, Sec. 32, Tp. 3, R. XXXIII.	1,800
56'5	North Antler Brook, Sec. 36, Tp. 3, R. XXXII, W. of 1st Mer.	1,695
80'3	Armstrong Brook, Sec. 34, Tp. 3, R. XXVIII, bed.	1,499
85'7	" " line between Secs. 33 and 27, Tp. 3, R. XXVII, water.	1,443
87'1	Summit, Sec. 26, Tp. 3, R. XXVII.	1,472
89'8	Souris River, Sec. 6, Tp. 4, R. XXVI, high water, 1,398; low water.	1,388
115'0	Summit, Sec. 18, Tp. 4, R. XXII, west of 1st Mer.	1,648
115'0-143'0	Nearly level.	1,648-1,633
155'5	Top of bank of Pembina River, Sec. 3, Tp. 4, R. XVI.	1,519
157'9	Pembina River, Sec. 36, Tp. 3, R. XVI, water, 1,379; grade.	1,415
160'5	Outlet of Pelican Lake, Sec. 32, Tp. 3, R. XV., bed, 1,337; grade.	1,349
161'4	Lake Lorne (Pembina R.), Sec. 28, Tp. 3, R. XV., water, 1,332; grade.	1,377
162'9	Summit, Sec. 22, Tp. 3, R. XV.	1,409
165'4	Pembina River, Sec. 24, Tp. 3, R. XV, high water, 1,341; low water.	1,329
165'8	Junction with trial line north of Swan Lake.	1,369
168'2	Long River, bed, 1,324; grade.	1,334
170'0	Rock Lake, high water, 1,330; rail.	1,321
177'3	Pembina River, Sec. 12, Tp. 3, R. XIII, high water, 1,328; bed.	1,309
181'6	Crystal Brook, Sec. 9, Tp. 3, R. XII, bed, 1,329; grade.	1,341
199'1	Summit, Sec. 2, Tp. 2, R. X, ground.	1,564
210'5	Pembina River, Sec. 21, Tp. 1, R. VIII, bed, 1,187; grade.	1,211
224'9	Summit, Sec. 6, Tp. 2, R. VI, ground.	1,523
231'2	Lifty Brook, Sec. 6, Tp. 2, R. V, bed, 1,175; grade.	1,224
235'4	Calamity Brook, Sec. 9, Tp. 2, R. V, bed, 1,034; grade.	1,055
243'1	Junction with line north of Swan Lake at 215'5 miles.	951
244'7	Lizard Lake, Sec. 7, Tp. 4, R. VII, water, 1,577; grade.	1,582
255'4	Nelson village, Sec. 26, Tp. 3, R. VI.	1,039
260'4	Dead-horse Brook, Sec. 21, Tp. 3, R. V, bed.	932
274'9	Tobacco Brook, Sec. 23, Tp. 5, R. V, bed, 862; grade.	876
281'5	Morris River at Carman, Sec. 25, Tp. 6, R. V, bed, 840; grade.	863
<i>North of Swan Lake</i>		
165'8	Junction with trial line south of Swan Lake.	1,359
177'7	Summit, Sec. 23, Tp. 4, R. XIII, ground.	1,445
182'9	Depression, Sec. 32, Tp. 4, R. XII, "	1,339
189'2	Summit, Sec. 7, Tp. 5, R. XI, "	1,548
194'5	Depression, Sec. 14, Tp. 5, R. XI, "	1,448
201'3	Goose Lake, Sec. 11, Tp. 5, R. X, water.	1,571
215'5	Junction with line south of Swan Lake.	951
Miles from main line		
BUFFALO LAKE BRANCH (projected)		
0'0	Junction with main line 1,940'1 miles from Montreal (5'9 miles west of Swift Current station)	2,450
5'50	Depression, Sec. 8, Tp. 16, R. XV, W. of 3rd Mer., ground.	2,362
10'40	Summit " 7 " 16 " XV, " " "	2,409
13'60	Depression " 30 " 16 " XVI, " " "	2,345
16'00	Summit " 27 " 17 " XVII, " " "	2,416
20'0	Depression " 5 " 17 " XVII, " " "	2,358
23'80	Summit " 14 " 17 " XVIII, " " "	2,414
31'00	Snake Holes valley, Sec. 35, Tp. 17, R. XIX, W. of 3rd Mer., ground, 2,190; grade.	2,234

Miles from main line	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BUFFALO LAKE BRANCH (projected) — Concluded		
35·00	Summit, Sec. 7, Tp. 18, R. XIX, W. of 3rd Mer., ground.....	2,334
40·00	Grade " 21 " 18 " XX "	2,271
50·00	" " 20 " 19 " XXI "	2,293
58·80	Summit " 1 " 20 " XXIII " ground.....	2,370
60·00	Grade " 2 " 20 " XXIII " "	2,336
64·10	Summit " 16 " 20 " XXIII " "	2,407
69·00	Depression " 34 " 20 " XXIV " grade.....	2,319
71·20	Summit " 4 " 21 " XXIV " "	2,384
83·00	Depression " 34 " 21 " XXVI " "	2,186
88·65	Summit " 11 " 21 " XXVII " "	2,245
96·31	Stream " 34 " 22 " XXVIII " " 2,193; bed.....	2,131
101·30	South Saskatchewan River, Sec. 8, Tp. 23, R. XXVIII, W. of 3rd Mer. (2·3 miles below mouth of Red Deer River), grade, 1,912; water (June 11, 1890)	1,888
113·80	Stream, Sec. 30, Tp. 23, R. I, W. of 4th Mer., bed, 2,045; grade.....	2,102
118·36	Grade " 10 " 24 " II " "	2,216
121·00	Stream " 17 " 24 " III " bed, 2,201; grade.....	2,239
125·31	Ground " 22 " 24 " III " " 2,479; grade.....	2,469
127·60	Depression " 29 " 24 " III " ground.....	2,424
132·65	Summit " 10 " 24 " IV " "	2,619
135·00	Depression " 21 " 25 " IV " " 2,551; grade	2,584
137·82	Summit " 25 " 25 " V " "	2,687
141·39	Level, Secs. 33, 32 & 31, Tp. 25, R. V " grade.....	2,464
142·00	Summit, Sec. 34, Tp. 25, R. VI " ground, 2,584; grade.....	2,578
151·35	Depression " 2 " 26 " VII " " 2,421 "	2,434
160·87	Summit " 21 " 26 " VIII " " 2,817 "	2,807
163·40	Depression " 31 " 26 " VIII " " 2,634 "	2,612
164·50	Summit " 6 " 27 " VIII " grade.....	2,707
167·75	Blood Indian Creek " 27 " X " bed, 2,493; grade.....	2,524
174·40	Summit " 28 " X " ground, 2,620 "	2,666
190·47	Berry Creek " 29 " XI " bed, 2,458 "	2,538
200·39	Stream " 31 " XII " " 2,524 "	2,539
202·4	Summit " 31 " XII " grade.....	2,604
204·35	Stream " 31 " XII " bed, 2,560; grade.....	2,595
208·80	" " 32 " XIII " " 2,530 "	2,643
214·67	Summit " 33 " XIII " ground, 2,703; grade....	2,699
223·68	End of profile, Sec. 32, Tp. line 34 & 35, R. XIII, W. of 4th Mer. "	2,703
	Lake Sullivan (nearly).....	2,695
BUTE INLET ROUTE		
<i>Yellowhead Summit to Bute Inlet</i>		
0·0	Summit Yellowhead Pass, Rocky Mountains, by levels from Bute Inlet, ground From this point to 38·15 miles this line and the Burrard Inlet line are coincident.	3,739
39·9	"Grand Forks".....	2,943
48·3	"Tete Jaune Cache".....	2,523
49·5	Cranberry Creek, high water, 2,430; low water, 2,426; grade.....	2,464
52·0	Fraser River, high water (1876), 2,410; grade.....	2,417
62·7	" "	2,391
70·0	" "	2,578
83·3	" at mouth of Shuswap River, high water, 2,353; water.....	2,343
91·0	" high water, 2,333; low water, 2,327; grade.....	2,356
101·3	" water, 2,306; grade opposite.....	2,317
109·5	" "	2,258
128·4	" high water, 2,145; low water, 2,132; grade.....	2,152
129·0	Summit, ground, 2,220; grade.....	2,207
132·0	Fraser River, high water, 2,130; grade.....	2,133
147·7	Brook, high water, 2,097; low water, 2,090; grade.....	2,118
151·1	" bed, 2,087; grade.....	2,105
154·4	Summit, ground, 2,322; grade.....	2,242
157·9	River, 1,000 feet from mouth, high water, 2,080; low water, 2,075; grade.....	2,085
164·4	Brook, bed, 2,146; grade.....	2,263
171·8	Summit, ground, 2,379; grade.....	2,362
181·3	Fraser River, head of Grand Rapids, high water, 2,062; ordinary water.....	2,049

Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BUTE INLET ROUTE—Concluded		
<i>Yellowhead Summit to Bute Inlet—Concluded</i>		
195.4	Summit between Fraser and Bear rivers, ground, 2,394; grade.....	2,384
205.4	Bear River cañon, water (June 22), 2,125; (July 20), 2,114; grade.....	2,296
207.4	Summit between Bear and Willow rivers, grade.....	2,321
212.0	Willow River, water, 2,111; grade.....	2,116
215.3	" " 2,059; ".....	2,066
221.6	" " 1,966; ".....	1,975
227.7	Fraser River, Cañon pass, high water, 1,914; low water, 1,901; bed, 1,879; grade.....	1,938
229.2	Salmon River, high water, 1,911; low water, 1,906; grade.....	1,923
238.7	Summit.....	2,218
248.9	Stewart River, high water, 1,912; low water, 1,902; grade.....	1,953
259.3	Chilacoo River, high water, 2,022; low water, 2,015; grade.....	2,033
264.3	" " 2,016 " 2,041 ".....	2,053
273.0	" " 2,130 " 2,124 ".....	2,163
280.0	Loop line to Dean Channel line diverges here.....	2,214
289.4	Chilacoo River, water, 2,205; grade.....	2,243
293.0	Brook, bed, 2,246; grade.....	2,356
301.4	Telegraph trail, grade.....	2,647
309.1	Summit between Chilacoo and Blackwater rivers, ground, 2,709; summit of grade $\frac{1}{2}$ mile east.....	2,693
311.0	Blackwater River, water, 2,420; grade.....	2,572
315.6	Dean Channel line diverges to westward here, grade.....	2,593
320.0	Blackwater River, high water, 2,636; low water, 2,633; grade.....	2,646
326.3	Nazco River, high water, 2,675; ordinary water, 2,671; grade.....	2,690
347.2	" " 2,786 " 2,774 ".....	2,791
354.7	" " water, 2,851; grade.....	2,864
365.7	Nazco Lake, water, 2,961; grade.....	2,983
366.6	Trail from Alexis Lake to Alexandria, grade.....	2,983
369.7	Nazco River, foot of cañon high water, 2,985; water, 2,976; grade.....	2,996
378.1	" head of cañon water, 3,430; grade.....	3,443
390.6	Summit between Nazco and Chilcotin rivers, ground.....	3,633
406.0	Chizicut Lake, water.....	3,254
406.8	Chilcotin River, water, 3,246; grade.....	3,301
412.9	Summit, ground, 3,486; grade.....	3,478
417.0	Puntzee Lake, water.....	3,121
427.5	Chilanco River, water, 2,954; grade.....	2,986
432.5	Le Blanc Lake, water.....	3,064
434.0	Loon Lake, water.....	3,088
447.0	Eagle Lake ".....	3,468
452.2	Summit between Chilcotin and Homathco rivers, ground, 3,530; grade.....	3,511
469-484	Tatlayoco Lake, water.....	2,723
486.0	Homathco River, 2,629; grade.....	2,641
492.0	" at mouth Moosmoos Creek, water, 2,348; grade.....	2,359
501.9	" water, 1,708; grade.....	1,731
503.8	" at head of Great cañon, water.....	1,563
506.9	West branch Homathco River, 0.71 miles from confluence with main stream, water, 1,191; grade.....	1,211
507.2	Tiedeman Brook, water, 1,179; grade.....	1,211
512.0	Homathco River, Murderers bar, water, 706; grade.....	736
515.3	" Waddington cañon, water, 355; grade.....	408
518.9	Bella Coola River, high water, 397; low water, 393; Homathco River, at mouth, 369; grade.....	406
526.0	Homathco River, water, 171; grade.....	203
544.0	Bute Inlet high tide +6; low tide -6; grade.....	18
DEAN INLET LINE		
<i>By Salmon River Pass</i>		
315.58	Leaves Bute Inlet line near confluence of Blackwater and Iscultaesli rivers...	2,593
328.71	Iscultaesli River, bed 2,746, grade.....	2,786
334.06	Summit between Blackwater and Iscultaesli rivers, ground, 3,255; grade.....	3,245
364.23	Fort George and B.C. trail, grade and ground.....	3,155
Miles from Yellowhead Summit		

Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
DEAN INLET LINE		
<i>By Salmon River Route</i>		
370·50	Euchiniko Lake, water, 3,129; grade	3,167
375·387	Tsacha Lake "	3,292
389·77	Blackwater River, water, 3,410; grade	3,414
413·75	Summit between Nechacco and Blackwater rivers, ground, 3,725; grade, 1·32 miles west	3,697
423·95	Catcho Lake, water, 3,527; grade	3,567
424·82	Summit between Nechacco and Salmon rivers, ground, 3,593; grade	3,583
427·83	Lily Lake, water, 3,540; grade	3,562
446·08	Salmon River, high water, 3,014; low water, 3,005; grade	3,037
458·00	Grassy Lake, water, 2,455; grade	2,460
467·31	Salmon River, high water, 1,351; low water, 1,343; grade	1,467
472·00	" at bluff, high water, 1,075; low water, 1,069; ground, 1,185; grade	1,140
479·40	" water, 743; grade	761
488·45	" " 358 "	368
498·38	" foot of cañon, water, 53; grade	133
500·45	Tidewater, Dean Inlet	0
<i>By Nechacco River Route</i>		
256·87	Leaves Bute Inlet line near confluence of Nechacco and Chilacco rivers	2,010
256·98	Chilacco River, high water, 1,969; low water, 1,967; grade	2,010
276·52	Nechacco River, high water, 2,067; low water, 2,061; grade	2,140
288·17	" " 2,083 " 2,081 "	2,097
291·49	" at mouth Eulatazela Creek, high water, 2,109; low water	2,105
300·57	Telegraph trail, ground, 2,447; grade	2,421
312·00	Tsinkut Lake, high water, 2,391; grade	2,417
315·320	Noolki Lake, high water, 2,380; water, 2,377; grade	2,399
317·323	Tachick Lake " 2,350 " 2,347 "	2,409
332·06	Summit, ground, 2,746; grade	2,706
369·20	Nechacco River at Great Bend, ground, 2,698; grade	2,647
379·70	Nechacco River, high water, 2,634; water	2,630
392·90	Natalkuz Lake (Nechacco River), high water, 2,653; water, 2,647; grade	2,661
399·45	Entiaco River, water	2,669
415·70	Eutiakwetachick Lake (Entiaco R.), water, 2,978; grade	2,998
430·10	Summit between Nechacco and Salmon rivers, ground, 3,088; grade	3,102
437-441	Qualcho Lake, water	2,765
454·60	Ultasyouco River, high water, 2,624; water	2,622
461·67	" at confluence with Salmon River, high water, 2,331; water, 2,321; grade	2,411
464·54	Salmon River, 1st crossing, high water, 1,922; water, 1,913; grade	1,945
466·55	" 2nd " " 1,716 " 1,707 "	1,825
473·90	Yeltesse or Salmon House, ground, 1,469; grade	1,453
474·13	Salmon River, 3rd crossing, high water, 1,310; water, 1,288; grade	1,451
488·40	" high water, 624; water	620
498·90	" " 256 "	253
507·90	Dean Inlet, grade	21
GARDINER INLET LINE		
0·00	Gardiner Inlet, tidewater	0
8·81	Beginning of steep ascent, grade	181
11·95	Kemano River, at head of falls (falls 214 ft. in 1,000), water, 1,205; grade	1,216
16·29	Stream, water, 2,648; grade and ground	2,656
18·10	Siffleur Lake, water	3,753
18·80	Summit, ground	4,925
21·83	First Lake, water, 2,783; grade	2,842

Miles from Bute Inlet	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
BUTE INLET TO YELLOWHEAD PASS		
<i>Via Quesnel</i>		
0	Bute Inlet, tidewater.....	0
70	Tatlayoko Lake.....	2,723
96	Summit.....	3,505
114	Tatla Lake.....	3,018
130	Summit.....	3,500
140	Chilcotin River.....	3,246
147	Summit.....	3,633
177	Nazco River.....	2,980
207	Buche Creek.....	2,560
232	Fraser River at Quesnel.....	1,600
244	Cottonwood River.....	2,400
252	" ".....	2,660
266	Beaver Pass, summit.....	3,520
278	Willow River.....	2,550
296	Valley Creek summit.....	3,730
302	Bear Lake.....	3,220
310	Indian Point Lake.....	3,200
320	Isaac Lake.....	3,180
331	Goat River summit.....	3,750
340	Goat River.....	3,030
350	" ".....	2,610
358	Confluence of Goat and Fraser rivers; joins "Bute Inlet" line.....	2,330
477.5	Summit of Yellowhead Pass.....	3,738
HOWE SOUND LINE		
<i>By Lilloet and Bonaparte Rivers</i>		
0.0	Tidewater, Pacific Ocean at head of Howe Sound.....	0
8.7	Tcharkamisht River, water.....	134
14.0	Minatch River ".....	379
23.1	Daisy Lake ".....	1,187
28.2	Forks of Tcharkamisht River, bank, 1,657; water.....	1,632
30.4	East branch Tcharkamisht River, water.....	1,732
33.5	Green Lake, No. 1, high water, 2,072; low water.....	2,070
34.0	" " No. 2 " 2,092 ".....	2,090
34.4	Summit.....	2,172
35.5	Green Lake, No. 3, high water, 2,105; low water.....	2,103
38.0	" " No. 4 " 2,086 ".....	2,084
41.6	Green River, water.....	2,041
46.5	Cliff River ".....	1,538
50.5	Tachawhame River, water.....	1,176
56.6	Lilloet River at Pemberton meadows, water.....	692
61.2	Birkenhead River, near confluence with Lilloet River, water.....	737
67.6	Glacier stream, water.....	1,237
73.0	Summit Lake, high water, 1,582; low water.....	1,580
73.5	Summit, grade.....	1,634
79.0	Tchalnicht River, water.....	1,229
83-97	Anderson Lake, high water, 858; low water.....	853
101.5-113.0	Seton Lake " 800 ".....	795
120.2	Cayoosh Creek, water.....	740
120.7-122.2	Lilloet.....	840 845
123.3	Fraser River, 700 feet north of mouth of Cayoosh Creek, high water, 669; low water, 661; grade.....	814
127.1	Opposite Bridge River (line was 300-500 feet from river).....	1,049
130.7	"The Fountain"—2,700 feet from Fraser River.....	1,364
132.0	Brook, 3,000 feet from Fraser River, bed, 1,261; grade.....	1,464
134.2	" " " 1,593 ".....	1,645
146.0	Pavilion Creek, 11,100 feet from mouth, bed.....	2,454
149-153	Pavilion Lake, water.....	2,652
154-155	Crown Lake ".....	2,669
155.4	Marble Cañon, summit.....	2,831
158.7	South end of cañon.....	2,722
161.2	Alkali Brook, 1,400 feet from mouth, bed, 2,580; grade.....	2,713
163.4	Cap Creek, 800 feet from Hat Creek, bed.....	2,593

Miles from Howe Sound	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
HOWE SOUND LINE		
<i>By Lilloet and Bonaparte Rivers</i>		
171.2	Ground, 3,500 feet north-west of confluence of Bonaparte and Hat rivers....	2,183
175.2	Maiden Creek at Mundorf's ranche, bed, 1,796; grade...	1,868
182.6	Bonaparte River, water, 1,954; grade	1,973
187.3	" " " 2,156 "	2,194
188.6	Saul's ranche, ground.....	2,184
194.3	Bonaparte River, water.....	2,255
201.6	" " " "	2,567
206.7	Old "Brigado" trail, ground.....	2,787
210.7	Forks of Bonaparte River, water.....	2,931
212.0	Bonaparte River, water, 2,950; grade.....	2,960
215.4	" " " 3,021 "	3,063
220.2	Lake, water	3,377
225.2	" " " "	3,414
232.7	Bonaparte River, 5 feet wide, bed.....	3,661
236.2	Eureka Lake, ground near, 3,830; water.....	3,761
238.0	Mukwistikwan Lake, water.....	3,762
239.8	Summit	3,867
240.2	One-island Lake, water.....	3,759
240.4	Horse Lake "	3,779
241.4	Wabigoon or White Flower Lake, water.....	3,746
243.7	Frog Lake, water.....	3,832
244.2	Half-moon Lake, water.....	3,854
246.3	Lac des Roches "	3,729
251.0	Echo Lake "	3,714
255.0	Last Lake "	3,704
256.1	Yehalston Creek, bed, 3,610; grade.....	3,664
266.1	Brook, 15 ft. wide, bed.....	2,606
271.9	" bed	1,990
275.3	Tranquille Creek, 20 ft. wide, bed.....	1,674
278.1	North Thompson River, water.....	1,290
278.3	Junction with Burrard Inlet line, 6 miles below mouth of Clearwater River and 189 miles from summit of Yellowhead Pass.....	1,296
COQUIHALLA RIVER LINE		
<i>Hope to Kamloops</i>		
0.0	Zero, bench mark near Hope, 215.43 feet above high tide at New Westminster	220
0.3	Fraser River at Hope, water.....	99
2.9	Big Lake, water	182
4.6	Summit	850
5.9	Coquihalla River, water.....	605
10.0	" " " "	790
12.8	" " " "	999
15.2	" " " "	1,046
16.9	" " " "	1,286
19.4	" " " "	1,490
24.0	" " " "	2,366
25.0	" " " "	2,545
33.5	Summit Lake, "	3,509
73.86	Nicola "	2,127
99.0	Summit	2,967
121.0	Campbell Creek, water.....	2,134
131.0	Kamloops	1,160
NORTH THOMPSON RIVER TO BUTE INLET		
<i>By Clearwater River and Mahood Lake</i>		
180	Junction with Burrard Inlet line.....	1,404
186	Clearwater River.....	1,477
204	Bridge Creek at mouth.....	1,809
208	Mahood Lake.....	2,081
225-243	Canim "	2,557

Miles from Yellowhead Summit	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
NORTH THOMPSON RIVER TO BUTE INLET		
<i>By Clearwater River to Mahood Lake</i>		
261	Summit between Clearwater and Fraser rivers.....	3,104
271-285	Lake la Hache.....	2,679
309-314	Williams Lake.....	1,843
321	Fraser River, 9 miles below Soda Creek, water, 1,381; grade....	1,407
329	Chimney Creek.....	1,774
374	Summit, Chilcotin plain.....	3,707
400	Junction of Chilcotin Loop line.....	2,499
444-465	Tatla Lake.....	3,018
471	Summit between Chilcotin and Homathco rivers.....	3,124
480	Bluff Lake.....	2,865
490	Middle ".....	2,645
497	Twist ".....	2,523
514	Head of Great cañon.....	2,290
529	Foot ".....	640
548	Butte Inlet.....	0
CARIBOO ROAD TO CLEARWATER RIVER		
	Waggon road, at crossing of 111-mile Brook.....	2,720*
	Summit between 111-mile Brook and western stream to Canim Lake.....	3,320
	Eagle Lake, water.....	2,700
	Summit between Eagle Lake and eastern stream to Canim Lake.....	3,250
	Clearwater River at junction of route to Blue River.....	3,250
	Myrtle Lake.....	3,650
	Waterloo Lake.....	4,000
	Clearwater ".....	2,480
	Summit between Clearwater River and Pike Brook (branch of North Thompson River).....	7,400
LAKE MANITOBA TO MATTAWA*		
0	Lake Manitoba.....	810*
65	Red River.....	714
148	Little Lake Long.....	1,030
214	Watershed between Lake of the Woods and English River.....	1,400
280	English River.....	1,210
326	Canoe River.....	1,250
385	Height-of-land between Lake Superior and Hudson Bay.....	1,500
416	Opawanga River.....	1,060
439	Wabinoah River.....	930
495	Ombabika River.....	1,250
525	Height-of-land between Lake Superior and Hudson Bay.....	1,450
570	Kenogami River.....	830
702	Summit.....	1,000
731	Missinaibi River.....	870
763	Kapishkasing River.....	990
779	Summit.....	1,150
793	Apiskinogami River.....	960
845	Mattagami River.....	1,330
870	Height-of-land between River St. Lawrence and Hudson Bay.....	1,480
885	Montreal River at "Great Bend".....	1,060
969	" near mouth.....	720
980	Summit.....	1,080
1,020	Jocko Creek.....	610
1,047	Mattawa, Can. Pac. Ry. station.....	564

* Elevations are barometric.

Miles from Lake Manitoba	CANADIAN PACIFIC RAILWAY—TRIAL LINES AND LOCATIONS	Elevation
LAKE MANITOBA TO LAKE NIPISSING		
<i>Via Nipigon Bay</i>		
0	Lake Manitoba	810*
333	Canoe River	1,350
365	Watershed between Lake of the Woods and English River	1,580
372	Fire-steele River	1,450
381	Height-of-land between Lake Superior and Hudson Bay	1,500
440	Lake Nipigon	850
449	Black Sturgeon River	835
464	Summit	1,200
481	Lake Helen (Nipigon River)	606
491	Lake Superior at Red Rock, mean water (1871-1899)	600.54
504	Summit	1,210
510	Jackfish River	1,070
541	Poplar Lodge River	1,350
550	Height-of-land between Lake Superior and Hudson Bay	1,400
583	Kenogami River	830
863	Mattagami River	1,180
896	Height-of-land between River St. Lawrence and Hudson Bay	1,290
904	Depression	1,250
924	Watershed between Ottawa River and Lake Nipissing	1,420
1,038	Lake Nipissing, high water, 647.8; low water	640.5

* Elevations are barometric.

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
0'00	Montreal, Bonaventure station, top of rail.....	48'33
1'00	Ste. Cunégonde station.....	53'5
1'50	St. Henri ".....	61
2'09	Turcot ".....	63
4'58	Montreal West ".....	68
5'58	Brookfield ".....	86
6'01	Canadian Pacific Ry., "Short Line," under crossing; Canadian Pacific Ry., rail, 114; G. T. Ry., rail.....	86'5
6'48	Dominion station.....	89'5
6'95	Convent ".....	115
7'32	Willows ".....	130
7'82	Lachine ".....	131
9'07	Dixie ".....	99'5
10'12	Dorval ".....	87
12'00	Strathmore ".....	89
12'58	Valois ".....	89'3
13'16	Lakeside ".....	96'6
14'48	Pointe Claire ".....	107'4
15'48	Beaconsfield ".....	104'5
17'56	Beaurepaire ".....	105'5
19'02	Bay View ".....	114
20'55	Ste. Anne ".....	122'3
21'34	Ottawa River, Ste. Anne bridge, high water, above lock, 78'5; extreme low water, 69'9; rail.....	110'3
21'72	" Ile Perrot bridge, water, 72; rail.....	90
24'25	" Vaudreuil bridge, rail.....	92
24'25	Vaudreuil station.....	85'2
29'00	Cedars ".....	161
31'06	St. Dominique ".....	159
34'49	River Rouge ".....	162
34'55	" bed, 139; rail.....	158
35'34	River Delisle, bed, 156; rail.....	161
37'66	Coteau, junction with Canada Atlantic Ry.....	160'3
37'74	Canada Atlantic Ry. crossing.....	160'8
39'52	St. Zotique station.....	159'4
43'15	River Beaudette ".....	167'3
43'35	" bed, 149; rail.....	172'6
45'00	Interprovincial Boundary.....	169'5
48'39	Bainsville station.....	173'9
53'73	Lancaster ".....	163'6
54'83	R. au Raisin or Black River, bed, 148; rail.....	166'3
59'43	Summerstown station.....	182'9
62'59	Indian Lands Brook, water, 171; bed, 169; rail.....	176'2
67'37	Cornwall station.....	191'4
68'77	" junction, with New York & Ottawa Ry.....	201'0
72'22	Millie Roches station.....	225'3
77'06	Wales ".....	235'5
81'45	Farrans Point ".....	241'3
83'76	Aultsville ".....	247'7
84'40	Aultsville Brook, water, 232; bed, 229; rail.....	241'7
92'27	Morrisburg station.....	268
98'11	Doran Brook, water (June 1, 1878), 226'7; rail.....	244'5
98'90	Iroquois station.....	242
104'39	Cardinal ".....	276
110'27	Johnstown Brook, bed, 250; rail.....	260'2
112'12	Canadian Pacific Ry., Prescott branch, overhead crossing, rail.....	302'1
112'23	Prescott junction, with Prescott branch, Can. Pac. Ry.....	302'0
113'51	Prescott station.....	308'6
120'17	Maitland ".....	327
125'08	Canadian Pacific Ry., Brockville branch, overhead crossing, rail.....	288
125'23	Brockville station.....	280
126'60	Brockville, Westport & S. Ste. Marie Ry., under crossing; B. W. & S. Ste. M. Ry., rail, 305; G. T. Ry., rail.....	282
129'43	Lyn station.....	284'4
135'17	Yonge Pond, water (June 13, 1878), 266; rail.....	282'2
137'89	Mallorytown station.....	335
142'70	Vanston Pond, water (June 14, 1878), 300; rail.....	307'6
146'11	Lansdowne station.....	332'8
155'00	Gananoque junction, with Thousand Islands Ry.....	306'3
155'48	Gananoque River, water (June 17, 1878), 266; rail.....	289'6

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
162.50	Ballantyne station	360
168.40	Rideau "	302.3
168.96	Rideau Canal, foot of Kingston Mills locks, water, 245; rail.	309.7
172.61	Kingston junction, with Kingston branch	273.4
174.54	Kingston station	249
	" B. M. on window-sill of Carruther's stone warehouse facing lake.	248.19
172.91	Kingston & Pembroke Ry. crossing.	286.7
175.41	Little Cataraqui Brook, water, 246; rail.	254.4
179.51	Collins Bay, Lake Ontario, mean water, 245.02; rail.	255.2
180.11	Collins Bay station.	284
180.41	McGuinn Brook, rail.	271.3
186.05	Stirling Brook, bed, 294; rail.	312
187.65	Ernestown station	324.5
189.01	Hill Brook, water, 293; rail.	301.7
193.16	Big Brook, bed, 288; rail.	302.7
193.35	Fredericksburg station.	307.2
195.10	Little Brook, water, 273; rail.	283.1
198.85	Napanee River, water (June 26, 1878), 276; rail.	311.8
198.51	Napanee station	312.7
200.70	Sucker Brook, water, 286.5; rail.	295.3
203.32	Deseronto junction, with Bay of Quinte Ry.	325
206.59	Marysville station.	336
208.48	Mud Brook, water (July 1, 1878), 279; rail.	286.5
211.63	Salmon River " " 268; bed, 251; rail.	282.6
213.11	Shannonville station	334
220.21	Belleville junction, with Belleville and Midland Div.	295
220.58	Moirs River, water (July 4, '78), 267; rail.	282.3
223.11	Young Brook, rail.	304.5
226.75	Sidney station	301
231.67	Trent River, water (July 5, '78), 247; rail.	276
232.10	Trenton station.	280
232.35	Central Ontario Ry. overhead crossing, C. O. Ry., rail.	262
234.20	Summit, rail.	353.8
234.50	Murray Hill station	345.4
241.45	Brighton "	302.9
246.88	Colborne Brook, water (July 9, '78), 275; rail.	287.8
249.05	Colborne station.	321.0
249.86	Gillis Brook, water, 282; rail.	294.0
255.42	Grafton " " 277 "	282.0
255.70	Grafton station.	283.1
257.73	Clark Brook, water (July 10, '78), 359.5; rail.	269.5
263.50	Cobourg, junction with Harwood branch.	295.1
264.15	Cobourg Brook, water, 260; rail.	272.3
269.95	Port Hope viaduct, mean water (L. Ontario), 245.02; rail.	282.0
270.31	Port Hope junction, with Port Hope and Peterborough Div.	286
274.18	Port Britain station.	256.2
277.95	Newtonville "	392
285.91	Newcastle "	295.2
290.08	Soper or East Brook, water (July 22, '78), 245; rail.	292.4
290.29	Bowmanville station.	261.5
290.37	Bowmanville or West Brook, water, 245; rail.	260.8
293.68	Darlington station.	379
297.85	Farewell Brook East, water, 245; rail.	264.3
299.57	Oshawa station.	333
303.33	Whitby and Lindsay Div., crossing.	297.0
305.44	Whitby, junction with Whitby and Lindsay Div.	267.0
305.09	Lyon Brook, water (July 27, '78), 246.2; rail.	259.8
309.70	Pickering station.	287
310.20	West Pickering station.	284
312.25	Dunbarton "	280.2
314.97	Rosebank "	280.6
315.19	River Rouge, water (July 29, '78), 246; rail.	271.2
316.57	Port Union station.	264.9
317.47	Highland Brook, water, 246; rail.	288.9
322.25	Markham Road station.	533.4
323.55	Summit, ground, 564; rail.	556.4
324.02	Scarborough, junction with Scarborough and Cobocconk Div.	545.3

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
326.13	York Road station.....	460.6
327.57	York ".....	425
331.15	Don River, mean water (L. Ontario), 245.02; rail.....	256.7
331.32	Don station.....	252
333.00	Toronto, Union station.....	254
	" Bench mark on Union station.....	253.9
335.19	" North Parkdale station.....	303
336.75	" Bloor St. ".....	369
338.10	Carlton station.....	405
339.19	Stream, water, 345; rail.....	385
341.41	Weston station.....	425
342.49	Humber River, water, 394; rail.....	458
344.70	Highfield station.....	544
346.50	Minico River, water, 513; bed, 512; rail.....	540
348.12	Malton station.....	549
353.82	Etobicoke River, water, 689; rail.....	712
354.10	Brampton station.....	712
354.26	Canadian Pacific Ry., Orangeville branch, crossing.....	713
359.69	Norval station.....	818
361.14	Credit River, water, 713; rail.....	826.5
362.09	Georgetown station.....	846
362.86	" junction, with Hamilton and Allandale Div.....	872
365.26	Limestone station.....	1,002
368.35	Acton West ".....	1,198
372.63	Summit, rail.....	1,218
373.75	Eramosa River, water, 1,140; rail.....	1,182
374.03	Rockwood station.....	1,182
381.31	Speed River, water, 1,028; rail.....	1,066
381.39	Guelph station.....	1,067
382.38	Guelph junction, with Southampton branch.....	1,074.7
386.39	Mosborough station.....	1,084
391.07	Breslau ".....	1,023
391.42	Grand River, water, 961; rail.....	1,009.6
395.12	Galt and Elmira branch switch.....	1,101
395.34	Berlin station.....	1,100
395.88	Berlin junction, with Galt and Elmira branch.....	1,093.6
401.82	Petersburg station.....	1,210
402.77	Summit; ground, 1,260; rail.....	1,248
405.23	Baden station.....	1,156
407.67	Hamburg ".....	1,126
408.23	River Nith, water, 1,083; rail.....	1,124
414.74	Shakespeare station.....	1,182
420.36	Stratford and Port Dover branch crossing.....	1,192.7
421.34	Stratford station.....	1,188.8
421.90	Avon River, water, 1,164; rail.....	1,182.8
426.42	St. Pauls station.....	1,165
431.40	St. Marys ".....	1,082
432.42	Thames River, water, 987; rail.....	1,040
438.80	Fish Brook, water, 944; rail.....	980
440.79	Granton station.....	1,033
446.75	Lucan ".....	990
448.80	Lucan crossing, London and Wingham branch, rail, 860; main line, rail.....	881
453.81	Ailsa Craig station.....	753
453.96	River aux Sables, water, 716; rail.....	749
461.32	Park Hill station.....	662
464.80	Spring Brook, water, 592; rail.....	617
467.75	River aux Sables, water, 692; rail.....	615.5
469.68	Widder Brook, water, 649; rail.....	673
469.89	Thedford station.....	681
473.80	Tool Brook, water, 713; rail.....	722
478.90	Forest station.....	711
479.09	Forest Brook, water, 678; rail.....	705
484.23	Aberarder station.....	664
487.96	Camlachie ".....	648
492.60	Perch ".....	593.5
496.29	Blackwell ".....	601
501.79	Point Edward station (closed).....	585
501.94	Sarnia wharf.....	587.5

Miles from Montreal	GRAND TRUNK RAILWAY- MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
502.55	Sarnia, junction with Komoka and Sarnia Div.	587
503.65	Sarnia tunnel, Canadian portal, rail	547
504.01	" lowest point, rail	508
504.78	" American portal, rail	557.5
505.65	Port Huron, Mich., junction with Detroit and Port Huron branch	608
518.40	Goodell station, Mich.	707
523.45	Emmett " "	774
531.90	Capac " "	812
539.40	Inlay City " "	826
543.65	Attica " "	894
551.40	Lapeer " "	826
558.15	Elba " "	856
262.15	Davison " "	787
566.65	Belsay " "	777
571.10	Flint " "	711
577.40	Otterburn " "	771
579.90	Swartz Creek station, Mich.	778
580.90	Crapo Farm " "	773
584.15	Duffield " "	779
588.15	Durand, Mich., junction with Detroit and Grand Haven Division	793
592.90	Bancroft station, Mich.	852
599.15	Morrice " "	886
601.40	Perry " "	888
605.65	Shaftsburg " "	874
612.15	Haslett Park " "	856
617.65	Trowbridge " "	847
620.40	Lansing " "	835
625.15	Millet " "	879
630.60	Summit, rail	935
632.65	Pottersville station, Mich.	903
638.90	Charlotte " "	907
647.15	Olivet " "	884
652.15	Bellevue " "	864
658.65	Penfield (formerly Ransom) station, Mich.	846
664.40	Nichols station, Mich.	837
665.40	Battle Creek station, Mich.	823
671.40	Renton " "	843
674.65	Summit, rail	986
675.90	Climax station, Mich.	972
680.90	Scott " "	908
683.90	Pavilion " "	866
688.90	Vicksburg station, Mich.	852
694.40	Schoolcraft " "	877
700.40	Chamberlains " "	890
705.15	Marcellus " "	888
709.65	Wakelee " "	908
713.65	Penn " "	899
718.40	Cassopolis " "	891
727.15	Edwardsburg " "	829
730.15	Granger " Ind.	807
736.90	Mishawaka " "	741
	St. Joe River, rail	680
740.40	South Bend station, Ind.	712
741.40	Oliver " "	720
749.40	Crum Point " "	713
756.40	Mill Creek " "	699
756.90	Fish Lake " "	705
760.65	Stillwell " "	733
765.90	Kingsbury " "	746
769.90	Wellsboro " "	752
770.90	Union Mills " "	742
777.15	Haskell " "	767
785.15	Valparaiso " "	806
790.65	Sedley " "	693
794.10	Deep River bridge, rail	656
795.65	Ainsworth station, Ind.	664
801.40	Lottaville " "	628
805.90	Griffith " "	639
809.40	Maynard " "	620

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE	Elevation
<i>Montreal and Chicago</i>		
815.65	Thornton junction, Ill.	606
817.65	Harvey station "	605
821.15	Blue Island junction, Ill.	601
829.15	Hayford station, Ill.	622
832.15	Elsdon "	602
836.15	Chicago and West Indiana junction, Ill.	591
Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE—EASTERN DIVISION	
0.00	Montreal, Bonaventure station, top of rail.	48.33
1.50	St. Henri station.	61
3.00	Point St. Charles West station.	53
3.62	Point St. Charles East " (closed).	53
	Bench mark on Emigrant's monument.	53.27
4.46	Victoria bridge, western abutment, outer edge.	67.5
5.13	" " centre span.	91.5
5.80	" " eastern abutment, outer edge.	66.8
5.80	River St. Lawrence, water (May 2, 1878), 31.0; extreme high water.	50.5
6.32	St. Lambert, junction with South Shore Ry.	74.4
8.50	End of double track.	91.6
10.04	St. Hubert station.	90.0
14.91	St. Bruno "	97.1
17.16	St. Bazile "	60.6
21.12	Belœil "	61.9
21.26	Richelieu River, water (May 17, 1878), 21.6; rail.	62.6
21.50	Ottoburn Park station.	63.0
22.23	St. Hilaire "	84.6
23.00	St. Hilaire East "	107.2
27.50	River des Hurons water, 87; rail.	103.5
28.16	Ste. Madeleine station.	117.1
34.92	Quebec Southern Ry., crossing.	114
35.67	St. Hyacinthe station.	109.4
36.17	Yamaska River, water (May 23, 1878), 64; bed, 59; rail.	104
37.60	Canadian Pacific Ry., St. Guillaume branch, crossing.	111
38.01	Ste. Rosalie, junction with Intercolonial Railway.	113.8
42.61	Britannia Mills station.	220.7
44.91	St. Liboire station (summit).	289.0
48.00	Upton "	202.5
48.16	Black River, water, 166; rail.	201.5
48.97	White River, water (May 28, 1878), 176.4; rail.	210.2
54.40	Actonvale station.	310.7
54.74	Canadian Pacific Railway, Drummondville branch, crossing.	318.5
59.80	Moose River, water (May 30, 1878), 340; rail.	357.2
62.00	Danby station.	436.8
65.70	Summit.	611.7
66.16	South Durham station.	607.7
69.15	Lisgar "	527.9
69.51	Shingle Brook, rail.	525.3
70.84	Black River, rail.	525.9
71.75	Gore.	534.8
74.68	St. Francis River water (June 2, 1878), 336.3; rail.	422.0
76.02	Mulvaney Brook, water, 368; rail.	390.0
76.46	Richmond, junction with Quebec Div.	389.7
80.83	Rockland station.	403.8
84.05	Willow Brook, water, 388.2; rail.	406.2
86.71	Windsor Mills station.	418.8
86.76	Windsor Creek, water (June 5, 1878), 394.7; rail.	419.0
90.25	Titus station.	427.1
92.75	Brook, water, 412.2; rail.	433.5
93.08	St. Francis River, 2nd crossing, water, 416; rail.	442.1
94.48	Brompton Falls station.	469.7
97.78	Mows Creek, water, 462.2; rail.	481.5
100.75	Magog River, water (June 7, 1878), 462.4; rail.	487.0
101.10	Sherbrooke station.	485.0
103.53	Canadian Pacific Ry., crossing.	497.8
104.12	Lennoxville station.	498.7
104.62	Massawippi River, water (June 10, 1878), 472.6; rail.	497.0
106.42	Salmon River, water, 483; rail.	496.5

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE—EASTERN DIVISION	Elevation
110·90	Coaticook River, water, 619·6; rail.	644·3
111·14	Waterville station.	644·6
114·41	Compton station.	732·7
115·52	Public road bridge, road, 729·5; rail.	748·0
117·19	Hillhurst station.	817·9
122·55	Coaticook "	1,005·8
127·61	Dixville "	1,126·1
132·03	Boundary Line Creek, water (June 17, 1878), 1,209·2; rail.	1,250·7
132·04	International Boundary.	1,250·3
132·11	Norton Mills station, Vt.	1,251·9
133·49	Norton Creek, water, 1,269·2; rail.	1,300·4
136·97	Lake station, Vt.	1,350·0
141·24	Summit.	1,377·1
141·38	Summit station, Vt.	1,376·2
146·60	Cargyll River, water, 1,213·4; rail.	1,227·9
147·83	Island Pond station, Vt.	1,186·0
152·07	East Brighton "	1,166·6
155·25	Wenlock "	1,149·5
157·87	Nulligan River, water, June 29, 1878, 1,098·5; rail.	1,121·3
162·42	" " " 901·5; "	923·0
162·70	Connecticut River " " 875 "	910·7
162·77	North Stratford station, N.H.	906·7
166·47	Beatties "	875·0
170·72	Bog Brook, water, 850·2; rail.	867·5
170·92	Stratford Hollow station, N.H.	867·9
175·16	Groveton station, N.H.	888·7
175·62	Ammonosuc River, water (July 3, 1878), 876; rail.	900·0
180·01	" " " 935; rail.	951·1
180·93	Stark station, N.H.	959·4
183·00	Percy "	978·8
185·69	Phillips Brook, water, 968·8; rail.	982·3
185·78	Crystal station, N.H.	982·2
186·86	Ammonosuc River, water, 971·1; rail.	987·0
187·10	" " " 971·6; rail.	987·6
188·00	West Milan station, N.H.	1,001·3
188·62	North Br. Ammonosuc River, water, 979; rail.	1,000·2
191·08	" " " 982; rail.	993·7
193·72	Copperville station, N.H.	1,064·9
195·14	Summit.	1,073·0
199·42	Berlin Falls station, N.H.	1,020·6
204·29	Moose River, water (July 12, 1878), 793·8; rail.	808·3
205·85	Gorham station, N.H.	795·9
206·22	Peabody River, water, 768; rail.	784·7
211·51	Shelburne station.	707·8
211·71	Shelburne River, water (July 18, 1878), 691·6; rail.	706·1
217·24	Gilead station, Me.	714·2
222·35	Pleasant River, water, 664; rail.	682·8
223·30	West Bethel station, Me.	678·1
226·75	Mill Brook, water, 627·8; rail.	650·3
227·24	Bethel station, Me.	652·6
227·69	Alder River, water, July 23, 1878, 626; rail.	651·0
230·33	" " " 658; rail.	690·0
231·99	Lockes Mills station, Me.	724·5
235·51	Bryant Pond "	708·8
238·43	Whitman Creek, water, 581; rail.	605·6
239·34	Little Androscoggin River, water, 521·5; rail.	551·5
241·67	West Paris station, Me.	485·3
250·05	South Paris, junction with Norway branch.	390·8
250·52	Little Androscoggin River, water (July 31, 1878), 319·4; rail.	375·4
256·49	Oxford station, Me.	332·3
260·79	P. and R. F. Railroad crossing.	300·3
261·00	Little Androscoggin River, water, 270; rail.	300·5
261·06	Mechanic Falls station, Me.	299·0
264·42	Worthley Brook, water, 230·4; rail.	252·8
265·37	Empire Road station, Me.	279·3
267·56	Lewiston junction, Me., with Lewiston branch.	246·8
269·78	Danville "	201·9
270·46	Royal River, water, 155·6; rail.	184·1
274·63	New Gloucester station, Me.	117·2
278·84	Pownal "	143·7

Miles from Montreal	GRAND TRUNK RAILWAY—MAIN LINE EASTERN DIVISION	Elevation
281.59	Royal River, water (Aug. 8, 1878), 69; rail.....	100.4
281.99	North Yarmouth station, Me.....	100.5
285.15	Yarmouth junction, Me.....	89.0
286.01	" station, ".....	94.6
288.41	Cumberland ".....	84.1
291.79	Falmouth ".....	50.1
295.57	Deering ".....	17.5
296.06	Portland and Rochester junction.....	12.2
297.25	Portland station, Me.....	13.4
Miles from South Paris	GRAND TRUNK RAILWAY—NORWAY BRANCH	
0.00	South Paris, junction with main line, Eastern Division, 250.05 miles from Montreal.....	390.8
1.50	Norway station.....	384.3
Miles from Lewiston Junction	GRAND TRUNK RAILWAY—LEWISTON DIVISION	
0.00	Lewiston junction, with main line, Eastern Div., 267.56 miles from Montreal.....	246.8
1.78	Littlefield station, Me.....	233.2
1.89	Little Androscoggin River, water (Aug. 5, 1878), 208.3; rail.....	231.8
5.14	Anburn station, Me.....	145.9
5.28	Androscoggin River, rail.....	141.3
5.47	Lewiston Canal, water, 123; rail.....	140.0
5.50	Lewiston station, Me.....	139.1
Miles from Montreal	GRAND TRUNK RAILWAY QUEBEC DIVISION	
76.46	Richmond, junction with main line, Eastern Div.....	389.7
83.23	St. Cyr station.....	481
86.96	Sprucehill bridge, water (Aug., 1878), 433; rail.....	449
88.49	Danville station.....	446
89.86	Southwest Br. Nicolet River, water (Aug. 20, 1878), 361; rail.....	391
92.42	Kingsey station.....	443
94.42	Little Trout Creek, water, 399; rail.....	422
99.71	River des Rosiers, water, 439; rail.....	475
100.44	Warwick station.....	480
107.71	East Br. Nicolet River, water, 389; rail.....	419
108.41	Arthabaska, junction with Three Rivers branch.....	429
114.30	River du Loup, water, 475; rail.....	494
117.21	Stanford station.....	525
122.89	Brook, water, 432; rail.....	442
123.21	Somerset station.....	441
125.84	Brook, water, 423; rail.....	442
131.36	Ste. Julie station.....	475
135.67	Becancour River, water, 425; rail.....	446
135.97	Lyster, junction with Lotbiniere and Mégantic Ry.....	440
138.93	Chevreux River, rail.....	455
140.25	River Henri, water, 433; rail.....	444
140.50	Hall siding.....	449
143.20	River du Chêne, water, (Aug. 30, 1878,) 420; rail.....	432
143.81	Méthots Mills station.....	444
152.17	St. Agapit.....	406
152.86	Brook, water, 384; rail.....	396
157.69	Craig Road station.....	335
163.75	Chaudière, junction with Intercolonial Railway (I. C. Ry.).....	235
164.05	Chaudière River, water (Sept. 4, 1878), 176; rail.....	234
164.24	Chaudière junction, with Intercolonial Ry.....	234
164.94	Chaudière Curve station.....	231
167.76	New Liverpool siding.....	115
168.69	Etchemin River, water (Sept. 5, 1878), 19; rail.....	66
168.83	Fitch siding.....	59
170.58	Hadlow station.....	18
172.00	Point Lévis, junction with Intercolonial Ry.....	16

Miles from Brosseau	GRAND TRUNK RAILWAY—MASSENA SPRINGS BRANCH	Elevation
0'00	Brosseau, junction with Rouse Point branch.....	56
1'00	St. Lambert River, water 41; rail	50
2'30	Laprairie station.....	57
6'24	River Tortue, bed 68; rail.....	87
6'73	Canadian Pacific Ry., 'Short Line,' crossing.....	93
7'59	River St. Pierre, bed 89; rail.....	95
7'64	St. Constant station.....	95
10'41	Brook, water 110; rail.....	123
11'38	St. Isidore junction, with Hemmingford branch.	129
12'06	St. Régis River, bed 129; rail.....	135
13'62	" " " " 147; rail.....	153
15'39	St. Isidore station.....	174
18'41	Ste. Philomène station.....	140
20'16	Sturgeon River, bed 98; rail.....	125
21'66	Ste. Martine junction, with Beauharnois branch.....	128
23'49	Bean River, bed, 113; rail.....	129
24'84	English River, high water, 113; low water, 106; rail.....	130
26'86	Howick station.....	130
27'80	Canada Atlantic Ry. crossing.....	133
31'66	Bryson station.....	135
31'80	Chatouguay River, high water, 117; low water, 110; rail.....	135
35'32	Ormstown station.....	145
40'16	Dewittville ".....	158
44'74	Huntingdon ".....	165
44'88	New York Central R.R., Adirondack Div., crossing.....	167
50'38	Carrs station.....	185
52'44	Whites ".....	181
57'29	Ste. Agnes station.....	195
61'55	International Boundary.....	171
62'20	Fort Covington station, N.Y.....	166
62'50	Salmon River, water, 153; rail.....	166
67'70	Bombay junction, N.Y.....	187
75'20	Helena station, ".....	202
83'20	Massena Springs station, N.Y.....	215
Miles from St. Isidore Junction	GRAND TRUNK RAILWAY—HEMMINGFORD BRANCH	
0'00	St. Isidore junction, with Massena Springs branch, 11'38 miles from Brosseau.....	129
3'62	Côte Ste Thérèse station.....	151
6'40	St. Rémi ".....	196
10'09	St. Michel ".....	188
11'82	Sherrington ".....	184
16'29	Canada Atlantic Ry. crossing.....	190
16'80	Barrington station.....	176
21'29	Hemmingford ".....	224
26'72	Moore's, junction with Delaware and Hudson R.R.....	208
Miles from St. Lambert	GRAND TRUNK RAILWAY—ROUSE POINT BRANCH	
0'00	St. Lambert, junction with main line, Eastern Div., 6'32 miles from Montreal.....	74'4
5'68	Brosseau, junction with Massena Springs branch.....	56
6'88	St. Lambert River, water 39; rail.....	53
13'10	Little Montreal River, water 85; rail.....	118
13'86	L'Acadie station.....	118
19'72	Canadian Pacific Railway, "Short line, crossing".....	115
20'68	St. Johns station.....	122
20'90	Richelieu River, low water, 93'57; high water.....	100
27'14	Grande Ligne station.....	143
29'58	Girard (formerly St. Nicholas) station.....	153
30'70	Summit, ground, 165; rail.....	162
33'20	Stottsville station.....	151
37'38	Lacolle River, water, 105'7; rail.....	133
37'46	Lacolle station.....	133
37'90	Canada Atlantic Railway crossing.....	131
40'58	Mussen Creek, water, 104'2; rail.....	115
41'78	International Boundary.....	117
43'02	Junction with Ogdensburg and L. Champlain R.R.....	113
43'68	Rouse Point, Delaware and Hudson Railroad station.....	125
	Lake Champlain, extreme low water, (Oct. 12, 1880), 93'31; extreme high water, (May 4, 1869,) 102'70; ordinary high water, 101'30; mean water, (1871 to 1895).....	

Miles from J. C. Union Switch	GRAND TRUNK RAILWAY--JACQUES CARTIER UNION BR.	Elevation
0'00	Jacques Cartier Union switch.....	130
2'80	Summit.....	158
3'56	Côte de Liesse station.....	139
4'47	St. Laurent ".....	134
6'54	Jacques Cartier junction, with Canadian Pacific Railway.....	96
Miles from Ste. Martine	GRAND TRUNK RAILWAY--BEAUHARNOIS BRANCH	
0'00	Ste. Martine, junction with Massena Springs branch, 21'66 miles from Brosseau.....	123
0'35	Châteauguay River, bed, 96; rail.....	126
1'25	Marais River, bed, 98; rail.....	124
6'25	Beauharnois station.....	130
Miles from Belleville	GRAND TRUNK RAILWAY--BELLEVILLE AND MIDLAND	
0'00	Belleville wharf, mean water, L. Ontario (1871-1899), 245'02; rail.....	250
0'47	" City station.....	251
2'26	" junction, with main line, Montreal to Chicago, 220'21 miles from Montreal.....	295
4'92	Corbyville station.....	333
8'50	Moira River, water, 332; rail.....	347
8'63	Foxboro station.....	348
12'74	Halloway ".....	466
14'51	Madoc junction, with Madoc branch.....	502'5
16'13	Rawdon Creek, water, 423; bed, 417; rail.....	428
19'70	Stirling station.....	405
21'87	Central Ontario Railway crossing.....	395
25'61	Hoard station.....	381
32'00	Trent River, high water, 466; low water, 461; bed, 458; rail.....	492
33'02	Campbellford station.....	496
43'36	Hastings ".....	618
44'06	Trent River, water, 600; rail.....	631
48'60	Onso River, water, 613; bed, 610; rail.....	623
49'10	Birdsall station.....	647
51'60	Bleazard ".....	712
52'80	Summit, ground, 762; rail.....	754
52'87	Keene Summit siding.....	752
55'93	Keene station.....	635
56'02	Indian River, water, 629; bed, 627; rail.....	636
59'26	Drummond station.....	694
63'54	Lakefield junction.....	654
64'15	Otonabee River, water, navigation level, 620'4; rail.....	635
65'14	Canadian Pacific Railway, main line, O. & Q. Div. crossing.....	638
65'36	Peterborough, junction with Lakefield branch and Port Hope and Peterborough Div.....	649
65'83	Lakefield switch.....	656
71'00	Stream, bed, 797; rail.....	836
71'75	Bests station.....	886
73'32	Summit.....	936
74'63	Stream, bed, 817; rail.....	893
78'67	Pigeon Creek, water (Aug. 12, 1899), 807; rail.....	825
79'67	Oneniece, junction with line to Millbrook, "Old Road".....	857
83'30	Reaboro station.....	857
87'88	Scugog River, water (Aug. 14, 1899), 821; bed, 813'5; rail.....	850
88'41	Lindsay, junction with Whitby and Lindsay Div.....	854
89'86	Victoria junction, with Haliburton branch.....	862
94'63	Cambray station.....	871
99'95	Grass Hill ".....	949
100'76	Summit.....	968
103'87	Lorneville, junction with Scarborough and Coboconk Div.....	892
104'08	Scarborough and Coboconk line crossing.....	890
111'41	Beaverton station.....	761
112'02	Stream, water, 728; rail.....	751
114'25	Talbot River, water, 720; bed, 718; rail.....	728
115'88	Gamebridge station.....	801
119'30	Brechin ".....	745
122'47	Schepeler ".....	730
126'74	Uptergrove ".....	736

Miles from Belleville	GRAND TRUNK RAILWAY--BELLEVILLE AND MIDLAND	Elevation
129·21	Atherly, junction with Toronto and North Bay Div.....	727
129·42	Narrows between Lakes Simcoe and Couchiching, water (April, 1891), 720; low water (Oct. 17, 1900), 717·9; rail.....	726·5
131·34	Orillia junction.....	732
131·78	Orillia, old Midland Ry. station.....	724
134·51	Summit.....	776
135·33	Silver Creek station.....	744
139·25	Uthoff ".....	697
142·14	Foxmead ".....	677
143·67	Tait ".....	640
146·65	Coldwater River, water, 584; bed, 581; rail.....	589
146·90	Coldwater station.....	588
149·07	Fesserton ".....	589
151·11	Waubaushene ".....	593
153·41	Sturgeon Bay ".....	590
156·85	Victoria Harbour station.....	595
161·36	Old Fort ".....	599
163·96	Midland ".....	593
	Lake Huron, mean water (1871-1899).....	579·90
Miles from Lindsay	GRAND TRUNK RAILWAY--HALIBURTON BRANCH	
0·00	Lindsay, junction with Whitby and Lindsay and Belleville and Midland Divs.....	854
1·42	Victoria junction.....	862
4·50	McLaren Creek, high water, 816; bed, 815; rail.....	821
7·29	Cameron station.....	897
11·05	Halls ".....	855
14·00	Fenelon Falls station.....	846
14·42	Trout Valley Canal, water (Aug. 15, 1899), 836·5; rail.....	851
19·10	Fells station.....	854
21·81	Burnt River, water (Aug. 16, 1899), 840; bed, 821; rail.....	861
24·64	Burnt River (formerly Rotties) station.....	868
30·78	Craigos Creek, water, 886; bed, 881; rail.....	912
33·50	Kinnmount station.....	919
35·80	Irondale, Bancroft and Ottawa Railway junction.....	935
35·91	West Branch Burnt River, water, 916; rail.....	943
42·88	Gelert station.....	1,032
43·00	Branch of Burnt River, water, 1,019; rail.....	1,036
47·12	Ingoldsby station.....	1,082
49·19	Dysart ".....	1,097
51·60	Summit.....	1,126
53·24	Goulds station.....	1,081
55·75	Haliburton station.....	1,050
Miles from Scarborough	GRAND TRUNK RAILWAY--SCARBOROUGH AND COBOCONK	
0·00	Scarborough, junction with main line, Montreal and Chicago, 324·02 miles from Montreal.....	545
4·52	Canadian Pacific Ry., under crossing; Can. Pac. Ry., rail, 568; G.T. Ry., rail.....	544
4·85	Agincourt station.....	567
7·73	Millikens ".....	650
8·39	Summit, rail.....	665
10·72	Unionville station.....	575
10·98	Rouge River, water, 551; bed, 547; rail.....	575
13·43	Markhamville station.....	640
15·86	Rouge River, water, 662; bed, 657; rail.....	575
19·73	Stouffville, junction with Sutton branch.....	892
25·34	Goodwood station.....	1,102
26·17	Summit, rail.....	1,152
32·04	Uxbridge station.....	886
35·70	Marsh Hill ".....	863
39·96	Wick ".....	865
41·40	Beaver Creek, bed, 850; rail.....	862
41·90	Blackwater, junction with line to Lindsay via Manilla Junc.....	859
43·97	Sunderland station.....	862
49·79	Cannington ".....	856
53·84	Woodville ".....	906

Miles from Scarborough	GRAND TRUNK RAILWAY—SCARBOROUGH AND COBOCONK	Elevation
55.62	Lorneville, junction with Belleville and Midland Div.	890
57.71	Argyle station	870
61.80	Eldon "	880
65.27	Portage Road station	920
66.89	Kirkfield "	900
69.57	Victoria Road "	847
72.54	Corson siding	880
78.09	Coboconk station	855
	Balsam Lake, water	838
Miles from Stouffville	GRAND TRUNK RAILWAY—SUTTON BRANCH	
0.00	Stouffville, junction with Scarborough and Coboconk Div., 19.73 miles from Scarborough	892
3.76	Summit	1,121
5.89	Ballantrae station	1,108
8.57	Vivian "	990
12.68	Mount Albert "	795
16.36	Zephyr "	767
19.04	Brown Hill "	754
22.02	Baldwin "	743
25.22	Sutton "	758
26.91	Jackson Point "	726
26.91	Lake Simcoe, summer water	720
Miles from Port Hope	GRAND TRUNK RAILWAY—PORT HOPE AND PETERBOROUGH	
	Port Hope wharf, mean water, L. Ontario, (1871-1899), 245.02; rail	253
0.00	" junction, with main line, 270.31 miles from Montreal	286
0.50	" station	265
5.68	Quays "	474
6.49	Ballast pit switch	531
8.43	Perrytown station	640
9.55	Garden Hill "	626
14.08	Carmel "	906
17.92	Millbrook, junction with line to Omemee	768
21.95	Summit	680
23.27	Fraserville station	638
35.53	Canadian Pacific Ry., O. & Q. Div., crossing, 262.1 miles from Montreal	638
30.95	Peterborough, junction with Belleville and Midland Div. and Lakefield branch	648
Miles from Port Hope	GRAND TRUNK RAILWAY—MILLBROOK AND OMEMEE	
17.92	Millbrook, junction with Port Hope and Peterborough Div.	768
20.00	Summit, rail	879
21.73	Canadian Pacific Ry., under crossing, 275.5 miles from Montreal. Can. Pac. Ry. rail, 865; G. T. Ry., rail	836
22.67	Depression, rail	793
23.94	Summit, rail	873
24.48	Bethany station	862
26.67	Bunswick "	865
28.10	Franklin "	893
28.44	Summit, rail	895
32.08	Depression, rail	816
33.04	Omemee, junction with Belleville and Midland Div., 79.67 miles from Belleville	857
Miles from Whitby	GRAND TRUNK RAILWAY—WHITBY AND LINDSAY	
0.00	Whitby wharf, mean water Lake Ontario (1871-1899), 245.02; rail	251.0
0.88	" junction, with main line, Montreal to Chicago, 303.44 miles from Montreal	267.0
2.29	Whitby station	286.8
7.56	Brooklin "	538.3
11.39	Myrtle "	821.0
12.20	Canadian Pacific Ry., overhead crossing, Can. Pac. Ry., rail, 870; G. T. Ry., rail	804.7
14.37	Summit, rail	1,029.2

Miles from Whitby	GRAND TRUNK RAILWAY—WHITBY AND LINDSAY	Elevation
14·41	High Point station	1,028·0
16·21	Manchester "	955·5
18·53	Prince Albert "	891·3
19·96	Port Perry "	828·8
20·00	Lake Scugog, water (Dec., 1891)	820·3
27·30	Seagrave station	839·0
27·48	Nonquon River, water, 821; rail.	831·4
29·22	Sonya station	900·7
33·06	Cresswell station	977·3
33·23	Summit, rail	984·9
33·71	Manilla junction	963·8
36·80	Brook, bed, 868; rail.	880·3
38·65	Mariposa station	866·5
42·58	Ops "	883·2
46·30	Lindsay, junction with Belleville and Midland Div.	864
Miles from Peterborough	GRAND TRUNK RAILWAY—LAKEFIELD BRANCH	
0·00	Peterborough, junction with Belleville and Midland Div., 65·36 miles from Belleville	648
1·50	Auburn Mills "	678
3·40	Nassau Mills "	708
9·24	Lakefield "	770
9·46	Lakefield wharf	770
	Kitchiwannoe Lake, water (Oct. 30, 1895)	766
Miles from Peterborough	GRAND TRUNK RAILWAY—CHEMONG BRANCH (disused)	
0·00	Peterborough station	648
0·27	Lakefield switch	655
4·60	Summit, ground, 925; rail.	916
9·21	Chemong station	816
9·27	Chemong Lake, water	805
Miles from Belleville	GRAND TRUNK RAILWAY—MADOC BRANCH	
14·51	Madoc junction, with Belleville and Midland Div.	502·5
20·00	Rawdon Creek, bed	465
23·00	"	548
23·08	Canadian Pacific Railway, under crossing, Can. Pac. Ry., rail 587; G. T. Ry., rail	562
23·33	Crookston station, nearly	563
24·00	White Lake, water	563
26·00	Summit, granite ridge	570
27·50	Moir Lake, water	510
29·46	Madoc station	575
30·80	Road crossing	596
32·40	Stream, bed 645; rail.	674
33·40	Seymour mine	749
34·90	Summit, rail	815
35·50	Road bridge, under crossing, rail.	806
36·20	Eldorado, junction with Central Ontario Ry.	773
Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	
0·0	Toronto, foot of Scott Street.	256
0·0	" Union station	254
2·3	North Parkdale "	391
4·7	Davenport	422
6·2	Fairbank, junction with Yonge St. Loop	511
7·5	Downsview station	573
11·5	Elia "	673
14·0	Thornhill "	636
18·0	Richmond Hill station	817
18·5	Long siding	846
21·3	Summit, ground 1,006; rail.	1001
22·4	King station	957
26·3	Summit, ground, 1,022; rail.	1,002

Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	Elevation
27.2	Chesley station	980
29.7	Aurora "	886
34.0	Newmarket station	772
37.6	Holland Landing station	743
40.7	Holland River, bed 706; rail	725
41.2	Bradford station	728
44.0	Scanlon "	742
48.7	Gilford "	752
51.6	Lefroy "	770
56.5	Bramley "	887
57.2	Craigvale "	880
62.7	Allandale, junction with Meaford branch and Hamilton and Allandale Div.	787
64.0	Barrie station	726
69.5	Gowan "	819
70.7	Summit, ground, 842; rail	859
74.1	Oro station	790
77.7	Hawkestone station	781
80.2	Carthew "	814
80.6	Summit, ground, 826; rail	820
85.7	Orillia, old Northern Ry. station	725
86.0	Orillia junction	732
88.1	Narrows between Lakes Simcoe and Couchiching (flood May, 1871), 727; low water, (Oct. 17, 1900), 717.9; rail	726.5
88.2	Atherly, junction with Belleville and Midland Div.	727
91.8	Rama station	734
93.4	Longford "	735
94.5	Summit, rail	765
97.6	Seyern River, East Br., water (Oct. 17, 1900), 717.9; bed, 706; rail	728
98.5	Washago station	728
99.1	Seyern River, West Br., water (Oct. 17, 1900), 717.9; rail	731
100.1	Seyern station	730
100.3	Seyern River, water, 697; rail	724
104.0	Kashabogamog River, water, 710; rail	719
105.9	Kilworthy station	755
109.4	Summit	851
111.4	Gravenhurst station	818
112.4	Muskoka Wharf station	749
	Muskoka Lake, water (Aug. 21, 1900)	745
117.8	Summit, ground, 3,450 ft. south, 916; rail	910
120.5	South Branch Muskoka River, water, 745; bed, 730; rail	806
121.3	North " " 778 " 776 "	821
121.6	Bracebridge station	817
126.3	Falkenburg "	957
128.0	Summit, ground 1,069; rail	1,058
131.8	Depression, ground 983; rail	998
135.1	Utterson station	1,041
135.8	Summit, ground 1,071; rail	1,057
138.4	Allensville, road crossing	970
139.9	Caswell Lake, water, 1,001; rail	1,011
141.0	Summit, ground, 500 ft. north, 1,066; rail	1,049
145.9	Huntsville station	957
146.1	Vernon Lake, water	936
146.5	Vernon River, water, 936; rail	972
147.8	Summit, ground, 1,012; rail	1,001
150.2	East River, water, 938; rail	961
155.4	Novar station	1,075
156.3	Little East River, water, 1,066; rail	1,077
159.3	Summit, ground, 1,151; rail	1,138
161.0	Scotia, junction with Canada Atlantic Railway	1,088
162.9	Ernsdale station	1,042
165.7	Megagnetawan River, 1st crossing, water, 969; rail	987
166.6	Katrine station	986
169.1	Megagnetawan River, 2nd crossing, water, 967; rail	981
170.4	" " 3rd " " 956 "	973
170.9	Burks Falls station	974
175.6	Summit, ground, 1,160; rail	1,139
178.2	Stony Brook, water, 1,085; rail	1,091
178.4	Stony Lake, water	1,085

Miles from Toronto	GRAND TRUNK RAILWAY—TORONTO AND NORTH BAY	Elevation
182.6	Sundridge station.....	1,102
185.2	Summit, ground, 1,195; rail.....	1,188
188.4	South River station.....	1,161
188.6	South River, water, 1,147; bed, 1,131; rail.....	1,158
191.1	Beacon Lake Brook, water, 1,190; rail.....	1,197
192.9	Gravel-pit siding.....	1,197
193.6	Ravine, bed, 1,085; rail.....	1,177
197.2	Towner siding.....	1,035
199.1	Beaver Brook, water, 1,018; rail.....	1,027
199.6	Trout Creek station.....	1,034
200.7	Summit.....	1,044
203.6	Barrett, road crossing.....	976
207.1	Powassan station.....	857
207.4	McGuinness Brook, water, 826; rail.....	857
211.2	Summit, ground, 907; rail.....	890
213.1	Road crossing, Chisholm and Forris town line.....	784
216.3	Wistawasing Brook, water, 731; rail.....	745
216.4	Nosbonsing crossing, junction with Nipissing and Nosbonsing Ry.....	745
219.1	Callander station.....	671
222.2	La Vase River, water, 665; rail.....	675
222.8	Nipissing junction, with main line Can. Pac. Ry. 359.1 miles from Montreal...	677
Miles from Allandale	GRAND TRUNK RAILWAY—MEAFORD BRANCH	
0.0	Allandale, junction with Toronto and North Bay Div., 62.7 miles from Toronto	737
5.5	Colwell, junction with Penetanguishene branch.....	747
8.9	Utopia station.....	693
9.6	Nottawasaga River, bed, 581; rail.....	630
10.3	Angus station.....	627
13.3	Brentwood station.....	646
15.5	Coats Brook, bed, 648; rail.....	680
15.5	New Lowell station.....	687
16.8	Sunnyvale.....	724
22.8	Starr.....	716
28.0	Batteaux Brook, bed, 669; rail.....	690
28.1	Batteaux station.....	684
31.4	Collingwood.....	587
32.1	Lake junction, with Collingwood branch.....	590
37.0	Craigleith station.....	598
41.0	Fields.....	610
41.6	Beaver River, water, 584; rail.....	611
43.8	Thornbury station.....	612
49.5	Summit, ground, 758; rail.....	753
51.8	Meaford station.....	672
	Lake Huron, mean level (1871-1899),.....	579.90
Miles from Colwell	GRAND TRUNK RAILWAY—PENETANGUISHENE BRANCH	
0.0	Colwell, junction with Meaford branch.....	747
3.3	Vespra station.....	720
6.0	Budd.....	619
7.8	Minessing.....	619
9.2	Summit.....	758
11.3	Hendrie station.....	738
13.7	Phelpston.....	724
18.5	Elmvale.....	698
20.5	Saurin.....	701
22.3	Dyments.....	712
23.8	Wyevale.....	772
28.0	Perkinsfield..... (summit).....	790
33.3	Penetanguishene station.....	589

Miles from Port Dover	GRAND TRUNK RAILWAY—HAMILTON AND PORT DOVER BRANCH	Elevation
	Lake Erie, mean level (1871-1899).....	571.59
0.0	Port Dover, H. & N. W. Ry. station.....	590
7.1	Nanticoke Creek, bed, 675; rail.....	698
9.0	Jarvis, junction with 'Loop Line'.....	699
11.5	Garnet station.....	698
14.5	Michigan Central R. R., main line, crossing.....	727
14.5	Hagersville station.....	729
16.2	Ballsville ".....	692
18.4	Boston Creek, bed, 644; rail.....	666
20.8	Mackenzie Creek, bed, 629; rail.....	641
23.1	Grand River, water, 616; bed, 613; rail.....	652
24.0	Caledonia station.....	652
25.6	Black Creek, bed, 634; rail.....	658
97.9	Chippewa Creek, bed, 673; rail.....	685
29.0	Glanford station.....	724
29.6	Summit.....	739
31.3	Twenty-mile Creek, bed, 682; rail.....	698
34.5	Rymal station.....	644
35.0	Brow of Niagara escarpment, ground, 639; rail.....	636
40.0	Toronto, Hamilton & Buffalo Ry. crossing, rail.....	326
40.20	Hamilton, King St. station.....	30
	" Stuart St. junction with main line, Niagara Falls and Windsor.....	253
Miles from Hamilton	GRAND TRUNK RAILWAY—HAMILTON AND ALLANDALE	
0.00	Hamilton, King St. station.....	306
1.61	" Wentworth St.....	267
4.28	Gages station.....	264
5.78	Beach Road station.....	255
6.40	Dynes ".....	256
7.56	Elsinore ".....	257
8.26	Ocean House ".....	256
8.50	Burlington Canal, mean water (L. Ontario), 245.02; rail.....	261
8.66	Hargrove station.....	258
9.12	Gibson Landing ".....	254
9.83	Brant House ".....	268
10.17	Burlington ".....	281
11.33	B. rlington junction, with Toronto and Hamilton Div.....	328
16.85	Tansley (formerly St. Ann) station.....	516
17.34	Twelve-mile Creek, water, 434; bed, 428; rail.....	523
18.75	Ash (formerly Zimmerman) station.....	573
25.13	Milton station.....	661
25.41	Canadian Pacific Ry., O. & Q. Div., crossing.....	661
28.13	Mansewood station.....	732
28.53	Brook, bed, 712; rail.....	746
33.79	Stewarton station.....	873
33.85	Credit mill-pond, water, 822; rail.....	873
36.14	Georgetown junction, with main line, Montreal and Chicago, 362.86 miles from Montreal.....	872
36.71	Georgetown station.....	846
39.40	Glen Williams ".....	913
42.03	Terra Cotta ".....	896
44.72	Cheltenham ".....	922
47.40	Inglewood, junction with Orangeville branch, Can. Pac. Ry.....	896
48.20	Credit River, water, 882; bed, 880; rail.....	893
52.15	Cardwell, junction with Owen Sound branch, Can. Pac. Ry.....	950
52.90	Summit, ground, 968; rail.....	965
53.77	Caledon East station.....	946
56.78	Centreville ".....	927
59.70	Humber River, bed, 868; rail.....	917
60.00	Palgrave station.....	931
60.98	Summit, ground 1,000 south, 975; rail.....	969
66.04	Tottenham station.....	834
67.28	Hamnell Creek, bed, 758; rail.....	794
70.73	Beeton station.....	727
72.38	Beeton junction, with Collingwood branch.....	716

Miles from Hamilton	GRAND TRUNK RAILWAY—HAMILTON AND ALLANDALE	Elevation
73·78	Nottawasaga River, bed, 680; rail.....	705
79·61	Cookstown station.....	759
85·50	Thornton ".....	943
87·00	Summit.....	996
90·43	Vine station.....	924
93·90	Innisfil ".....	819
95·41	Allandale, junction with Meaford branch and Toronto and North Bay Div.....	737
Miles from Beeton	GRAND TRUNK RAILWAY—COLLINGWOOD BRANCH	
0·00	Beeton, junction with Hamilton and Allandale Div.....	716
2·10	Thompsonville station.....	723
2·30	Nottawasaga River, water, 700; bed, 690; rail.....	719
4·90	Alliston station.....	723
9·50	Everett ".....	795
12·10	Pine River, water, 720; bed, 708; rail.....	754
12·20	Toga station.....	754
15·40	Lisle ".....	743
18·60	Glencairn ".....	738
21·20	Avening ".....	779
23·40	Creemore ".....	850
27·70	Glen Huron station.....	1,034
28·20	Summit, ground, 1,056; rail.....	1,062
31·50	Duntroon station.....	938
36·20	Nottawa ".....	707
39·20	Lake junction, with Meaford branch.....	590
	Collingwood, old H. & N. W. Ry. station.....	562
39·80	" station.....	587
	Lake Huron, mean level (1871-1899).....	579·90
Miles from Union station	GRAND TRUNK RAILWAY—BELT LINE	
	<i>Yonge Street Loop (disused)</i>	
0·00	Toronto, Union station.....	254
2·05	Queen St. East ".....	263
2·90	Winchester Street ".....	269
3·75	Don Valley ".....	262
4·23	Rosedale ".....	298
5·27	Moore Park ".....	451
6·03	Yonge St. North ".....	505
6·50	Upper Canada College station.....	510
7·45	Eglinton Avenue ".....	537
7·93	Forest Hill ".....	577
9·16	Fairbank ".....	580
10·10	Fairbank junction ".....	511
Miles from Carlton	<i>Humber Loop (disused)</i>	
0·00	Carlton station.....	405
0·70	Symes ".....	383
1·67	Lambton ".....	399
1·78	Canadian Pacific Ry. crossing.....	399
3·13	Bloor St. West station..	322
4·37	Swansea ".....	254
Miles from Suspension Bridge, N. Y.	GRAND TRUNK RAILWAY—MAIN LINE—NIAGARA FALLS AND WINDSOR	
0·00	Suspension Bridge station, N. Y.....	573
0·20	Niagara River, water, 342; ground, east side of cañon, 549, west side of cañon, 557; rail.....	573
0·37	Niagara Falls station.....	573
3·01	St. Davids ".....	609
5·21	St. Davids valley, ground, 480; rail.....	517
7·70	Welland Canal tunnel, rail east end, 449; west end.....	447

Miles from Suspension Bridge, N. Y.	GRAND TRUNK RAILWAY—MAIN LINE—NIAGARA FALLS AND WINDSOR	Elevation
9.72	Merriton, junction with Welland branch.....	389
9.90	Welland Canal (old), bed, 371; rail.....	389
11.20	St. Catharines viaduct, bed, 263; rail.....	347
11.79	St. Catharines station.....	347
14.76	Fifteen-mile Creek, water, 245; rail.....	305
15.84	Sixteen-mile Creek, water, 245, rail.....	299
17.42	Jordan station.....	309
17.70	Twenty-mile Creek, water, 245; rail.....	309
23.22	Beamsville station.....	297
25.75	Grimsby Park "	302
27.39	Grimsby "	287
32.23	Winona "	285
37.53	Stoney Creek "	274
40.27	Gages "	279
40.78	Race-course siding.....	270
43.89	Hamilton, Stuart St. junction with the Toronto—Hamilton, Hamilton—Port Dover and Hamilton—Allandale Divs.....	253
45.27	Desjardins Canal, water, 246; rail.....	288
45.89	Junction cut.....	318
49.96	Cutting, ground, 555; rail.....	503
50.08	Spencer Creek, bed, 406; rail.....	507
50.18	Dundas station.....	516
52.26	Flamborough station (old).....	615
54.20	Summit of drift hills, ground, 773; rail.....	735
55.10	Copetown station.....	755
55.32	Elliot pond, water, 741; rail.....	757
59.49	Lynden station.....	751
62.40	Brook, bed, 660; rail.....	727
62.73	Harrisburg, junction with Tilsonburg and Southampton branches, ground, 749; rail.....	733
64.51	Fairchild Creek (St. George viaduct), bed, 669; rail.....	725
64.62	St. George station.....	725
67.00	Dumfries "	810
68.08	Summit "	839
70.00	Grand River, bed, 743; rail.....	803
72.50	Paris, junction with Buffalo and Goderich Div.....	843
75.60	Nith Creek, bed, 798; rail.....	855
79.55	Princeton station.....	934
80.41	Horne Creek, bed, 878; rail.....	916
81.77	Gables station.....	932
84.38	Governors Road siding.....	967
86.81	Eastwood station.....	973
88.35	Summit, ground, 1,022; rail.....	1,007
91.27	Woodstock, junction with Stratford and Port Dover branch.....	958
92.46	Canadian Pacific Ry., Ingersoll branch, crossing.....	929
92.80	Thames River, bed, 909; rail.....	924
96.16	Beachville station.....	907
100.71	Ingersoll "	879
100.75	Thames River, at Ingersoll, water.....	860
104.86	Patton siding.....	888
110.15	Dorchester station.....	852
113.19	Waubuno "	867
118.52	London East "	830
119.80	London, junction with London and St. Marys branch and Lake Erie and De- troit River Ry.....	805
120.26	North branch Thames River, bed, 753; rail.....	796
121.27	Cove of Thames River, 748; rail.....	783
123.96	Hyde Park, junction with London and Wingham branch.....	883
127.16	Lobo Town-line station.....	860
129.79	Komoka junction, with Komoka and Sarnia Div.....	808
134.54	Mount Brydges station.....	821
140.50	Longwood "	747
143.01	Michigan Central R. R., St. Clair Div. crossing.....	742
145.50	Appin station.....	740
150.18	Glencoe, junction with "Loop Line" and Kingscourt branch.....	728
153.12	Pratt siding.....	716
156.38	Newbury station.....	701
161.61	Bothwell "	688
169.07	Thamesville "	621
170.07	Thames River, bed, 587; rail.....	621

Miles from Suspension Bridge, N. Y.	GRAND TRUNK RAILWAY—MAIN LINE—NIAGARA FALLS AND WINDSOR	Elevation
175.08	Lewisville station	613
178.60	Vosburg "	608
183.27	Chatham junction, with Lake Erie and Detroit River Ry.	599
184.14	Chatham station	598
188.36	Canadian Pacific Ry., O. & Q. Div., main line, crossing	590
192.10	Prairie siding	582
197.66	Jeanette Creek station	580
203.72	Stony Point "	584
207.19	St. Clair "	584
212.53	Belle River "	583
212.88	" bed, 566; rail	586
216.52	Puce station	586
219.80	Pike Creek station	588
221.82	Tecumseh "	589
228.18	Walkerville, junction with Lake Erie and Detroit River Railway	588
229.72	Windsor station	579.4
229.81	Detroit River at Windsor, high water, 576.54; low water, 572.76; mean level	574.25
Miles from Fort Erie	GRAND TRUNK RAILWAY—"LOOP LINE"	
0.00	Fort Erie station	605
2.15	Michigan Central R.R., Erie and Niagara Div., crossing	605
7.33	Stevensville station	585
13.89	Brookfield "	593
16.63	Welland junction, with Welland branch	577
17.12	Welland Canal, water (mean level L. Erie), 571.6; rail	584
19.40	Welland Canal Feeder, water, 577; rail	585
20.28	Feeder siding	584
22.42	Forks Creek, bed, 558; rail	574
24.26	Marshville station	580
27.38	Overholt "	584
31.88	Moulton "	587
33.78	Diltz "	586
37.29	Mud Creek, bed, 584; rail	597
39.93	Darling Road station	603
41.81	Canfield, junction with Buffalo and Goderich Div., 46.29 miles from Black Rock	616
48.06	Cayuga station	619
48.43	Grand River, high water, 585; water, 578; bed, 569; rail	614
51.13	Decewsville station	685
53.43	Nelles Corners station	713
59.00	Sandusk Creek, bed, 660; rail	680
61.70	Jarvis, old station	694
62.00	" junction with Hamilton and Port Dover branch	699
65.35	Black Creek, high water, 648; water, 644; bed, 643; rail	680
67.72	Renton station	709
72.28	Simcoe "	718
72.48	Davis Creek, high water, 597; water, 595; bed, 592; rail	718
73.38	Loop Line junction, with Stratford and Port Dover branch	741
76.84	Nixon station	772
82.02	Delhi "	761
82.37	Big Creek, high water, 684; water, 678; bed, 676; rail	761
88.88	Courtland station	774
93.33	Tilsonburg "	757
93.79	Otter Creek, high water, 662; water, 653; bed, 650; rail	760
95.09	Tilsonburg junction, with Tilsonburg branch	799
95.47	Summit, ground 200 ft. west, 820; rail	810
99.39	Corinth station	768
107.48	Aylmer "	761
112.13	Catfish Creek, bed, 692; rail	750
112.59	New Sarum station	759
114.18	Michigan Central R. R., main line, crossing	765
116.74	Canadian Pacific Ry., Ingersoll branch, crossing	783
118.01	Lake Erie & Detroit River Ry. crossing	752
118.05	St. Thomas station	752
118.50	Kettle Creek, water, 676; bed, 666; rail	746
122.68	Payne station	747
122.95	Dodds Creek, bed, 720; rail	744
123.48	Michigan Central R.R., St. Clair Div., crossing	742
126.62	Baird station	753
130.27	Lawrence "	740

Miles from Fort Erie	GRAND TRUNK RAILWAY—'LOOP LINE'	Elevation
132.05	Brook, bed, 672; rail	713
133.41	Thames River, highest flood, 661; water, 644; bed, 629; rail	699
132.36	Thames River station	717
134.49	Middlemiss "	709
136.90	Gentlemen Creek, high water, 647; water, 642; bed, 641; rail	707
140.26	Ekfrid station	709
142.79	Brook, high water, 704; bed, 700; rail	712
145.71	Glencoe, junction with main line, Niagara Falls and Windsor, 150.18 miles from Suspension Bridge	728
Miles from Glencoe	GRAND TRUNK RAILWAY—KINGSCOURT BRANCH	
0.00	Glencoe, junction with main line, Niagara Falls and Windsor and 'Loop Line	728
2.60	Canadian Pacific Ry., O. & Q. Div., main line, crossing	718
6.15	Ferguson crossing	697
7.13	Bear Creek, high water, 640; water, 635; bed, 632; rail	690
10.59	Michigan Central R.R., St. Clair Div., overhead crossing, M. C. R.R., rail, 711; G. T. Ry., rail	734
10.85	Alvinston station	729
18.00	Lawrence "	724
21.01	Kingscourt, junction with Komoka and Sarnia line, 27.58 miles from Komoka	709
Miles from Hamilton	GRAND TRUNK RAILWAY—TORONTO AND HAMILTON	
0.00	Hamilton, Stuart St., junction with main line, Niagara Falls and Windsor	253
4.28	Waterdown station	341
7.05	Burlington junction, with Hamilton and Allandale Div.	328
13.18	Twelve-mile Creek, water, 276; bed, 274; rail	343
13.45	Bronte station	344
17.35	Brook, water, 252; bed, 251; rail	330
17.69	Oakville station	329
22.94	Clarkson "	322
24.01	Lorne Park "	308
25.73	Credit River, water, 246; rail	265
25.96	Port Credit station	266
28.08	Rifle Ranges "	290
29.20	Etobicoke River, water, 253; rail	288
30.03	Long Branch station	310
31.52	New Toronto "	316
32.41	Mimico "	300
33.09	Mimico River, water 246; rail	283
33.15	Humber Grove station	282
33.86	Humber station	264
34.00	Humber River, water 246; rail	262
34.32	Swansea station	264
35.11	High Park "	255
36.23	Toronto, South Parkdale station	285
36.64	" Dufferin St. "	292
38.83	" Union station "	254
Miles from Komoka	GRAND TRUNK RAILWAY—KOMOKA AND SARNIA	
0.00	Komoka, junction with main line, Niagara Falls and Windsor, 129.79 miles from Suspension Bridge	808
2.38	Canadian Pacific Ry., O. & Q. Div., main line, crossing	795
10.10	Strathroy station	744
10.69	Sydenham River, water 729; bed 721; rail	739
16.32	Kerwood station	768
20.00	Summit, ground, 816; rail	813
22.41	Brown Creek, water 761; bed 757; rail	792
23.33	Watford station	783
27.58	Kingscourt, junction with Kingscourt branch	709
29.90	Bear Creek, water 660; bed 657; rail	682
30.50	Brook, water 679; bed 676; rail	692
31.64	Wanstead station	700
35.35	Wyoming "	709
36.39	Petrolia junction, with Petrolia branch	716
41.23	Mandaamin station	645
44.92	Perch Creek, water 606; bed 599; rail	620
50.82	Sarnia station	587

Miles from Petrolia Junction	GRAND TRUNK RAILWAY—PETROLIA BRANCH	Elevation
0' 00	Petrolia junction, with Sarnia branch.....	716
3' 03	Twelfth Line station.....	676
4' 68	Petrolia ".....	667
Miles from Harrisburg	GRAND TRUNK RAILWAY—SOUTHAMPTON BRANCH	
0' 00	Harrisburg, junction with main line, Niagara Falls and Windsor, 62·73 miles from Suspension Bridge.....	733
6' 08	Branchton station.....	895
11' 72	Galt, junction with Galt and Elmira branch.....	875
15' 79	Preston station.....	925
17' 72	Ballast Hill cutting, ground 964; rail.....	937
18' 84	Speed River, water 935; bed 930; rail.....	948
19' 14	Hespeler station.....	943
24' 06	Gourock ".....	1,059
26' 76	Guelph junction, with main line, Montreal and Chicago, 382·55 miles from Mon- treal.....	1,074·7
30' 96	Marden station.....	1,140
35' 71	Hurst Creek, water 1,147; bed 1,145; rail.....	1,172
38' 08	Swan Creek " 1,169; " 1,166; ".....	1,192
40' 29	Elora station.....	1,292
42' 03	Grand River, water (April 18, 1870), 1,250; (July 29, 1868), 1,242; bed 1,235; rail.....	1,301
42' 91	Fergus station.....	1,356
43' 29	Canadian Pacific Ry., Elora branch, crossing.....	1,363
46' 30	Irvine River, bed 1,321; rail.....	1,364
49' 10	Alma station.....	1,438
52' 27	Summit, ground 1,526; rail.....	1,524
54' 56	Goldstone station.....	1,456
57' 98	Conestoga Creek, water 1,309; bed 1,308; rail.....	1,350
58' 15	Drayton station.....	1,356
62' 28	Moorefield ".....	1,349
63' 04	Conestoga Creek, bed 1,329; rail.....	1,330
69' 33	Palmerston station.....	1,313
74' 97	Harriston ".....	1,256
75' 30	Maitland River, water, 1,244; bed 1,240; rail.....	1,252
75' 51	Canadian Pacific Ry., Teeswater branch, crossing.....	1,248
79' 19	Fulton station.....	1,229
81' 77	Clifford ".....	1,228
87' 05	Otter Creek, water 1,087; rail.....	1,095
90' 57	Mildmay station.....	1,028
92' 00	Harrington ".....	1,000
96' 39	Walkerton ".....	931
97' 07	Silver Creek, water 917; bed 916; rail.....	933
101' 27	Dunkeld station.....	954
103' 80	Cargill ".....	874
105' 13	Pinkerton ".....	859
111' 46	Paisley ".....	773
111' 86	Teeswater River, water 709; bed 706; rail.....	770
112' 25	Willow Creek, water 727; bed 725; rail.....	774
118' 77	Turner station.....	744
123' 46	Mill Creek, water 654; bed 643; rail.....	691
124' 36	Port Elgin station.....	673
128' 38	Southampton ".....	614
	Lake Huron, mean water (1871-1899).....	579·90
Miles from Palmerston	GRAND TRUNK RAILWAY—KINCARDINE BRANCH	
0' 00	Palmerston, junction with Southampton branch.....	1,313
2' 88	South branch Maitland River, water, 1,266; bed, 1,264; rail.....	1,278
5' 71	Gowanstown station.....	1,282
8' 83	Listowel ".....	1,262
11' 70	Middle Br., Maitland River, bed, 1,227; rail.....	1,241
14' 80	Atwood station.....	1,203
18' 85	Henfryn ".....	1,165
21' 87	Ethel ".....	1,174
21' 90	Middle Br., Maitland River, bed, 1,135; rail.....	1,166
27' 43	Brussels station.....	1,121
29' 98	Gravel bed, ground, 1,142; rail.....	1,128
34' 25	Bluevale station.....	1,078

Miles from Palmerston	GRAND TRUNK RAILWAY—KINCARDINE BRANCH	Elevation
34.80	Little Maitland River, high water, 1,044; water, 1,041; bed, 1,040; rail....	1,070
37.18	Wingham junction, with London and Wingham branch.....	1,078
38.44	Wingham station.....	1,044
38.57	Maitland River, high water, 1,012; water, 1,007; bed, 1,002; rail.....	1,042
43.80	Whitechurch station.....	1,046
50.05	Lucknow.....	908
50.37	Stream, water, 882; bed, 880; rail.....	896
56.88	Pine River, high water, 787; water, 781; bed, 779; rail.....	800
58.20	Ripley station.....	806
59.00	Stream, high water, 768; water, 766; bed, 760; rail.....	790
66.54	Kincardine station.....	589
	Lake Huron, mean water (1871-1899).....	579.90
Miles from Hyde Park	GRAND TRUNK RAILWAY—LONDON AND WINGHAM BRANCH	
0.00	Hyde Park, junction with main line, Niagara Falls and Windsor, 123.96 miles from Suspension Bridge.....	883
0.88	Hyde Park crossing.....	884
3.53	Kittrick station.....	901
7.07	Ilderton ".....	934
11.33	Donfield ".....	897
14.54	Lucan, under crossing, main line, Montreal and Chicago, 446.75 miles from Montreal; main line, rail, 881; L. & W. Br., rail.....	860
15.05	River aux Sables, bed, 840; rail.....	868
16.27	Clandeboyce station.....	883
22.15	Centralia ".....	867
26.97	Exeter ".....	872
27.48	River aux Sables, bed, 831; rail.....	864
32.78	Hensall station.....	895
35.10	Kippen ".....	884
39.10	Brucefield ".....	886
44.20	Bayfield River, bed, 860; rail.....	904
45.37	Clinton junction, with Buffalo and Goderich Div.....	905
45.69	Clinton station.....	912
52.02	Maitland River, bed, 937; rail.....	967
52.63	Londesborough station.....	971
56.66	Blyth.....	1,080
58.27	Summit, ground, 1,126; rail.....	1,121
59.03	McKinnon siding.....	1,107
63.14	Belgrave station.....	1,068
66.15	South branch, Maitland River, bed, 1,014; rail.....	1,048
67.76	North "..... 1,008; ".....	1,054
68.82	Wingham junction, with Kincardine branch.....	1,078
Miles from Harrisburg	GRAND TRUNK RAILWAY—TILSONBURG BRANCH	
0.00	Harrisburg, junction with main line, Niagara Falls and Windsor, 62.73 miles from Suspension Bridge.....	733
0.72	Fairchild Creek, water, 666; bed, 656; rail.....	729
3.09	" " " 657; " 644; ".....	704
7.11	Buffalo and Goderich Div. crossing.....	687
7.46	Brantford, B. & G. station.....	705
7.59	" B. & T. ".....	666
8.25	Grand River, water, 650; rail.....	666
8.58	West Brantford station.....	667
12.05	Mount Pleasant ".....	800
14.36	Mount Vernon ".....	800
17.04	Burford ".....	845
21.01	Harley ".....	836
23.95	Hatchley ".....	880
26.15	New Durham ".....	886
28.15	Norwich ".....	846
29.84	Norwich junction, with Stratford and Port Dover branch, 26.43 miles from Port Dover.....	842
31.80	Middleton Line station.....	841
33.66	Spittler Creek, bed, 788; rail.....	819
34.81	Springford station.....	823
39.15	Michigan Central R.R. crossing, M. C. R.R., rail, 805; G. T. Ry., rail.....	790
40.51	Tilsonburg station.....	761
42.36	Tilsonburg junction, with 'Loop Line,' 95.09 miles from Fort Erie.....	799

Miles from Port Dalhousie	GRAND TRUNK RAILWAY—WELLAND BRANCH	Elevation
0'00	Lake Ontario, mean level (1871-1899).....	244·02
0'09	Port Dalhousie station.....	249
3'08	St. Catharines ".....	347
5'78	Merriton, junction with main line, Niagara Falls and Windsor.....	389
7'36	Thorold station.....	526
8'42	Hurst Pond, water, 564; rail.....	577
10'96	Allanburg station.....	591
11'93	Allanburg junction, with Allanburg branch.....	610
13'35	Port Robinson station.....	586
16'89	Welland River, water, 565; rail.....	585
17'22	Welland station.....	601
18'46	Michigan Central R.R., main line, crossing.....	594
20'18	Welland junction, with 'Loop Line'.....	577
23'55	Humberstone station.....	591
24'62	Port Colborne junction, with Buffalo and Goderich Div.....	580
	Lake Erie, mean water (1871-1899).....	571·59
Miles from Allanburg Jc.	GRAND TRUNK RAILWAY—ALLANBURG BRANCH	
0'00	Allanburg junction, with Welland branch.....	610
5'19	Stamford station.....	643
6'76	St. Catharines & Niagara Central Ry. crossing.....	623
7'94	Michigan Central R.R., Niagara Div., crossing.....	592
8'23	Clifton, junction with main line, Niagara Falls and Windsor.....	582
9'04	Niagara Falls, Ont.....	573
Miles from Port Dover	GRAND TRUNK RAILWAY—STRATFORD AND PORT DOVER BRANCH.	
	Lake Erie, mean level (1871-1899).....	571·59
0'00	Port Dover station.....	576
4'30	Lynn Valley ".....	657
7'09	Simcoe junction, with Port Rowan branch.....	714
7'50	Simcoe station.....	712
9'00	Loop Line junction, with 'Loop Line'.....	741
13'50	Gibson station.....	782
16'50	Brandy Creek station.....	788
17'25	Big Creek, rail.....	772
18'42	Port Dover junction, with Michigan Central R.R., main line, 102·93 miles from Buffalo.....	784
19'82	Hawtreys station.....	786
21'44	Summit, rail.....	847
23'48	Otterville station.....	798
23'70	Otter Creek, rail.....	797
26'43	Norwich junction, with Tilsonburg branch.....	845
27'40	Norwich station.....	873
28'87	Closes siding.....	885
31'00	Burgessville station.....	913
33'21	Summit, rail.....	1,040
33'50	Currie station.....	985
40'20	Woodstock, junction with main line, Niagara Falls and Windsor, 91·27 miles from Suspension Bridge.....	958
41'53	Canadian Pacific Ry., O. & Q. Div., main line crossing.....	947
41'97	Thames River, rail.....	934
46'15	Summit ".....	1,061
47'13	Depression ".....	1,010
48'66	Summit, rail.....	1,106
49'07	Hickson (formerly Strathallan) station.....	1,093
50'68	Summit, rail.....	1,131
53'79	Stream, rail.....	1,088
54'97	Tavistock, G. B. & L. E. station.....	1,143
55'68	Tavistock junction, with Buffalo and Goderich Div., 108·87 miles from Black Rock.....	1,162

Miles from Galt	GRAND TRUNK RAILWAY—GALT AND ELMIRA BRANCH	Elevation
0'00	Galt, junction with Southampton branch.....	878
4'49	Blair station.....	908
6'49	Doon ".....	953
9'30	German Mills station.....	1,003
13'53	Berlin station.....	1,100
14'07	Berlin junction, with main line, Montreal and Chicago, 395'88 miles from Montreal.....	1,094
15'44	Waterloo station.....	1,056
19'57	Heidelberg ".....	1,122
21'39	St. Jacobs ".....	1,104
25'61	Elmira ".....	1,142
Miles from London	GRAND TRUNK RAILWAY—LONDON AND ST. MARYS BRANCH	
0'00	London, junction with main line, Niagara Falls and Windsor Div.....	805
	" old Burwell St. station.....	814
1'28	London East ".....	819
3'02	Pottersburg ".....	864
3'24	Canadian Pacific Ry., O. & Q. Div., main line crossing.....	858
5'82	Fairfield station.....	899
8'02	Wyton ".....	907
10'78	Thorndale ".....	934
15'82	Kelly siding.....	1,082
21'29	Stream, water 991; rail.....	1,054
21'55	St. Marys switch.....	1,058
22'02	St. Marys, junction with main line, Montreal and Chicago, 431'40 miles from Montreal.....	1,082
Miles from Black Rock	GRAND TRUNK RAILWAY—BUFFALO AND GODERICH	
0'00	Black Rock station N. Y.....	587
0'64	Niagara River, International bridge, water, (1878), 565'7; rail.....	587
1'08	Bridgeburg (formerly Victoria) station.....	587
1'66	Michigan Central R.R., crossing.....	605
1'95	Fort Erie B. & G. Ry. station.....	605
7'02	Windmill Point station.....	599
10'12	Ridgeway (formerly Bertie) station.....	618
14'07	Sherks station.....	618
19'93	Port Colborne, junction with Welland branch.....	580
20'04	Welland Canal, mean water 571'80; rail.....	583
26'02	Wainfleet station.....	590
30'60	Lowbanks ".....	578
33'01	Welland Canal Feeder, water 577; rail.....	584
33'02	Stromness station.....	584
38'83	Dunville ".....	584
46'29	Canfield junction, with 'Loop Line' and Michigan Central R.R.....	616
47'08	Canfield station.....	623
51'90	Cooks ".....	642
53'30	York ".....	662
54'60	Summit, rail.....	679
59'58	Caledonia station.....	652
62'38	Summit, rail.....	681
64'46	Big Creek, water 616; rail.....	648
66'07	Middleport station.....	662
68'51	Onondaga ".....	663
73'18	Cainsville ".....	720
74'64	Summit, rail.....	730
76'43	Brantford, junction with Tilsonburg branch.....	705
83'51	Grand River, water (Aug., 1878), 731; rail.....	813
84'23	Paris, junction with main line, Niagara Falls and Windsor.....	843
86'98	Summit, rail.....	908
88'35	Nith Brook, water, 834; rail.....	863
89'77	Richwood station.....	933
92'68	Drumbo ".....	1,009
92'98	Canadian Pacific Ry., O. & Q. Div., main line, crossing.....	1,011
98'28	Bright station.....	1,040
107'98	Tavistock, B. & G. station.....	1,196
108'87	Tavistock junction, with Stratford and Port Dover branch.....	1,162
115'65	Stratford, junction with main line, Montreal and Chicago, 421'34 miles from Montreal.....	1,189

Miles from Black Rock	GRAND TRUNK RAILWAY—BUFFALO AND GODERICH	Elevation
116·57	Avon River, water, 1,138; rail	1,171
120·19	Black Creek, water, 1,145; rail	1,161
120·68	Sebringville station	1,172
123·11	Summit	1,212
128·72	Mitchell station	1,121
128·87	Thames River, North Branch, water, 1,085; rail	1,122
133·70	Dublin station	1,103
133·80	Carron Brook, rail	1,097
140·26	Seaforth station	1,008
148·53	Clinton	920
149·16	Clinton junction, with London and Wingham branch	905
152·25	Holmesville station	880
161·30	Goderich	729
163·00	" wharf, mean water, Lake Huron (1871-1899), 579·90; rail	587
Miles from Parkhead	GRAND TRUNK RAILWAY—OWEN SOUND BRANCH	
0·00	Parkhead, junction with Harriston and Wiarton branch	723
2·60	Shallow Lake station	739
5·20	Summit, ground, 827; rail	826
6·80	Murphy station	796
8·33	Benallen	799
11·33	Brookholm station	598
12·40	Owen Sound station	585
	Lake Huron, water (Dec. 15, 1894), 579·17; mean level (1871-1899)	579·90
Miles from Simcoe Junc.	GRAND TRUNK RAILWAY—PORT ROWAN BRANCH	
0·00	Simcoe junction, with Stratford and Port Dover branch	714
	Hay Creek, bed, 701; rail	720
4·88	Young Creek, bed, 654; rail	679
5·14	Vittoria station	679
8·20	Summit, ground, 754; rail	739
8·37	Walsh station	738
11·02	Forestville station	710
13·53	St. Williams	680
17·00	Port Rowan	622
	Lake Erie, mean level (1871-1899)	571·59
Miles from Muskegon	GRAND TRUNK RAILWAY—ASHLEY AND MUSKEGON	
	Lake Michigan, mean level (1871-1899)	579·90
0·00	Muskegon station, Mich.	591
1·26	" Jefferson St.	627
1·73	Halls station, Mich.	663
14·40	Moorland	690
16·75	Hines Crossing station, Mich.	698
18·64	Slocum	695
21·38	Harrisburg	705
26·28	Gooding	821
30·47	Sparta	763
34·56	Reeds	841
39·57	Cedar Springs	854
43·32	Sheffield	901
45·07	Evans	896
47·07	Harvard	873
50·31	Lincoln Lake	866
55·57	Greenville	821
58·11	Eureka Place	869
60·82	Millers	866
65·23	Sheridan	797
71·00	Vickeryville	791
73·50	Butternut	764
77·01	Carson City	764
83·92	Middleton	741
85·45	Perrinton	734
89·40	Pompei	716
91·45	Ola	691
95·91	Ashley	668
116·41	Owosso junction, with Detroit and Grand Haven Div.	743

Miles from Detroit	GRAND TRUNK RAILWAY—DETROIT AND GRAND HAVEN DIVISION	Elevation
0.0	Detroit station, Mich.	580
4.2	Milwaukee junction, Mich.	630
5.5	Kenwood station " "	631
6.7	Jerome Park " "	635
11.0	Urbanrest " "	638
13.0	Royal Oak " "	663
18.5	Birmingham " "	777
24.7	Summit " "	960
25.7	Pontiac, Mich. junction with Jackson and Lenox Div.	934
26.2	P. O. & N. R. R. junction, Mich.	930
31.2	Drayton Plains station " "	967
33.5	Waterford " "	989
35.2	Clarkston " "	1,006
36.0	Summit " "	1,027
41.5	Davisburgh station, Mich.	961
46.5	Holly " "	936
50.7	Fenton " "	907
55.2	Linden " "	873
62.7	Gaines " "	857
67.0	Durand, Mich. junction with main line, Montreal and Chicago, 588.15 miles from Montreal.	793
70.2	Vernon station, Mich.	767
75.5	Corunna " "	772
78.7	Owosso " "	742
79.2	Owosso junction, Mich., with Ashley and Muskegon Div.	743
84.4	Burton station, Mich.	767
88.9	Ovid " "	772
91.5	Shepardsville station, Mich.	748
98.0	St. Johns " "	764
107.5	Fowler " "	744
112.7	Pewamo " "	740
117.7	Muir " "	653
124.0	Ionia " "	645
125.5	Prison siding, Mich.	645
132.5	Saranac station " "	638
139.5	Lowell " "	636
148.1	Ada " "	664
153.0	Summit " "	797
157.5	Grand Rapids station, Mich.	642
158.9	Fuller " "	622
163.0	Summit " "	780
166.5	Berlin station, Mich.	683
172.5	Coopersville station, Mich.	643
175.5	Dennison " "	645
179.9	Nunica " "	630
186.2	Spring Lake " "	591
187.0	Ferrysburg " "	592
189.0	Grand Haven " "	590
	Lake Michigan, low water, 578.52; high water, 583.26; mean water (1871-1899) ..	579.90
Miles from Detroit	GRAND TRUNK RAILWAY—DETROIT AND PORT HURON BRANCH	
	Detroit River at Detroit, low water, 572.76; high water, 576.54; mean water (1871-1895).	574.25
0.0	Detroit station, Mich.	580
1.8	" Gratiot Avenue.	621
3.3	L. S. & M. S. R.R. junction.	632
4.2	Milwaukee junction, Mich.	630
7.9	Mount Olivet station " "	625
16.1	Fraser " "	615
21.6	Mount Clemens " "	613
26.2	Chesterfield " "	615
31.8	New Haven " "	627
37.5	Lenox, Mich., junction with Jackson and Lenox Div.	723
49.2	Smith Creek station, Mich.	634
57.0	Port Huron " "	608
58.5	" Court St. station, Mich.	583
60.7	Fort Gratiot station, Mich.	587
	St. Clair River at Port Huron, low water, 577.19; high water, 581.93; mean water (1871-1895).	578.79

Miles from Jackson	GRAND TRUNK RAILWAY—JACKSON AND LENOX DIVISION	Elevation
0·0	Jackson station, Mich.....	929
1·3	M. C. R.R. crossing ".....	925
7·6	Roots station ".....	936
10·5	Henrietta ".....	926
12·9	Munith ".....	944
18·2	Stockbridge ".....	942
23·4	Gregory ".....	939
27·1	Anderson ".....	901
31·0	Pinckney ".....	910
35·4	Lakeland ".....	866
38·4	Hamburg ".....	888
41·2	Whitnore Lake station, Mich.....	918
44·2	Rushton " ".....	895
46·9	South Lyon " ".....	942
50·9	New Hudson " ".....	933
56·0	Wixom " ".....	932
58·6	Walled Lake " ".....	941
66·3	Orchard Lake " ".....	937
70·5	Pontiac, Mich., junction with Detroit and Grand Haven Div.....	934
74·0	Any station, Mich.....	871
79·4	Rochester " ".....	727
80·4	Bay City crossing, Mich.....	707
83·5	Shelby station, ".....	741
85·7	Washington ".....	728
91·5	Romeo ".....	780
98·4	Armada ".....	735
105·6	Lenox, Mich., junction with Detroit and Port Huron branch.....	723

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Stc. Rosalie</i>		
	Halifax wharf.....	14
0 00	" station.....	57
0 75	Richmond ".....	15
2 98	Fairview ".....	11
4 07	Rockingham ".....	18
8 68	Bedford ".....	44
9 10	Sackville River bridge, rail.....	51
10 51	Lily Lake station (summit).....	141
10 51	" water.....	134
11 42	Rocky Lake siding.....	134
12 50	Lake View station.....	137
13 27	Waverley siding.....	138
13 91	Windsor junction, with Dominion Atlantic Ry. and Dartmouth branch.....	129
	Long Lake, water, 86; rail.....	95
18 01	Rawdon River siding.....	96
18 65	Beaver Brook, bed, 86; rail.....	95
19 96	Rawdon River, bed, 80; rail.....	92
20 55	Fletcher River, water, 49; rail.....	76
21 31	Wellington station.....	76
23 07	Grand Lake ".....	58
	Gaspereau Lake, water, 46; rail.....	55
24 00	Grand Lake, water.....	46
24 27	Oakfield station.....	62
25 03	Sandy Cove ".....	62
27 80	Shubenacadie River, water, 31; rail.....	56
27 68	Enfield station.....	63
30 13	Elmsdale ".....	56
30 50	Nine-mile River, water, 34; rail.....	55
31 93	Truro Road siding.....	61
34 68	Summit, rail.....	101
36 38	Milford station.....	52
40 09	Shubenacadie station.....	66
40 67	" River, water, 22; rail.....	55
44 56	Stewiacke station.....	86
46 40	" River, water, 21; rail.....	44
47 16	McKay siding.....	44
49 05	Alton station.....	86
50 42	Summit.....	131
51 43	Graham siding.....	107
53 81	Brookfield station.....	102
56 00	Summit, ground, 187; rail.....	181
57 41	Hilden station.....	141
61 83	Truro, junction with Mulgrave branch and Midland Ry. of Nova Scotia.....	60
62 45	Salmon River, bed, 35; rail.....	51
64 08	North " " 25 ".....	39
68 55	Isgonish " " 63 ".....	80
69 34	Belmont station.....	84
72 35	" River, bed, 136; rail.....	151
72 94	Debert ".....	151
75 22	East Mines station.....	193
76 00	Folly River, bed, 109; rail.....	191
78 77	Londonderry station.....	334
84 60	Vikens siding.....	611
86 00	Folly Lake, water.....	605
86 27	Folleigh station (summit), by levels from Halifax..	614
	" " " " Moncton.....	618
89 17	Higgins Brook siding.....	498
89 77	Smith Brook ".....	470
90 90	Wentworth station.....	472
92 38	Caldwell Brook siding.....	468
93 51	Giles Crossing ".....	385
95 41	Westchester station.....	299
96 78	Greenville ".....	290
99 42	Atkinson siding.....	242
104 09	Thomson station.....	107
105 36	Fillmore siding.....	116
108 19	Oxford junction, with Oxford branch.....	94
108 30	River Philip, bed, 41; rail.....	95

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
110.41	River Philip station (summit).....	172
114.40	Saltsprings.....	153
115.10	Black River, bed, 107; rail.....	141
116.30	Gillespie siding.....	184
119.14	Summit, rail.....	274
120.91	Springhill junction, with Cumberland Ry. & Coal Co.'s Ry.....	199
124.09	Little Forks River, bed, 38; rail.....	71
126.38	Athol station.....	134
130.02	Maccan ".....	31
133.54	Nappan ".....	29
134.14	" River, high water, 24; rail.....	33
134.32	Pugsley siding.....	29
137.00	Summit.....	105
138.03	Amherst station.....	63
139.85	La Planche River, high water, 21; rail.....	25
140.65	Fort Lawrence siding.....	28
141.65	Chignecto Marine Transport Ry. (abandoned) crossing.....	28
144.23	Aulac station.....	26
145.55	Coles Island siding.....	26
147.89	Sackville, junction with New Brunswick and Prince Edward Island Ry.....	26
153.16	Westcock siding.....	98
154.39	Evans station.....	223
154.80	Summit.....	234
159.33	Dorchester station.....	27
162.03	Upper Dorchester (formerly Rockland) station.....	27
163.21	Crowson siding.....	27
164.90	College Bridge station.....	32
166.77	Memramcook station.....	28
169.35	McManus siding.....	38
171.48	Calhoun station.....	54
173.80	Meadow Brook station.....	92
175.90	Summit.....	180
178.61	Painsec, junction with Pt. du Chêne branch.....	149
181.16	Belgrave (Lakeville) siding.....	131
182.50	Humphrey Brook, water, 60; rail.....	83
183.50	Buctouche and Moncton Ry. crossing.....	73
183.83	Humphreys station.....	56
185.12	Lock Factory siding.....	54
186.00	Moncton, junction with Buctouche and Moncton Ry. and St. John branch.....	50
193.41	Berrys Mills station.....	215
197.87	Catamount siding (summit).....	347
199.02	South Cocagne River, water, 294; rail.....	307
201.10	North " rail.....	323
201.23	Summit, rail.....	343
204.89	Canaan station.....	263
210.29	Birch Ridge siding.....	301
212.90	Coal Branch, South Fork, bed, 173; rail.....	222
213.15	" North " " 161 ".....	210
213.49	Coal Branch station.....	218
216.76	Adamsville " (summit).....	300
218.61	Trout Brook siding.....	200
222.58	Harcourt station.....	200
224.33	Richibucto River, water, 97; rail.....	129
230.25	Bass River, rail.....	237
231.55	Kent junction, with Kent Northern Railway.....	267
232.37	Kouchibouguac River, water, 200; rail.....	232
233.55	Ferris siding.....	285
236.14	Brown ".....	280
237.55	Belliveau ".....	271
238.58	Kouchibouguac River, rail.....	272
239.59	Acadieville siding.....	306
240.10	Summit.....	312
242.52	Rogersville station.....	305
243.52	Barnaby River, rail.....	254
245.22	" (stream in tunnel), rail.....	229
246.17	Collet siding.....	160
246.56	Barnaby River, water, 122; rail.....	152
251.26	Right-hand Brook, water, 76; rail.....	101

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
	<i>Halifax to Ste. Rosalie</i>	
254.41	Barnaby River station	56
256.90	Summit	141
258.03	Chatham junction, with Canada Eastern Ry.	180
259.73	Southwest Branch Miramichi River, ordinary high water, 2.5; rail.	33
260.54	Derby, junction with Indian town branch.	33
261.16	Northwest Branch Miramichi River, ordinary high water, 2.5; extreme high water, 5; rail.	29
264.24	Newcastle station.	134
272.80	Beaver Brook, water, 317; rail.	333
273.44	" station.	331
275.90	Green Brook, South Branch, bed, 328; rail.	341
277.80	" North " " 406 "	463
284.96	Bartibogue station (summit).	521
286.00	" River, bed, 513; rail.	518
289.24	Russell siding.	494
291.50	Lawson Brook, bed, 373; rail.	394
294.86	Red Pine station.	338
297.70	Little Red Pine Brook (tank), bed, 219; rail.	235
299.37	Red Pine Brook, bed, 165; rail.	214
303.03	Gloucester junction, with Caraquette Ry.	109
304.00	Nepisiguit River, bed, 46; rail.	90
306.22	Little River, bed, 41; rail.	59
308.17	Bathurst station.	45
311.17	Tête-à-Gauche River (tidewater), rail.	68
314.55	Beresford siding.	24
316.73	Nigadoo " "	48
319.60	Petite Roche station.	83
321.35	Elm-tree River, water, 62; rail.	104
327.67	Belledune station.	84
329.70	Summit, rail.	150
331.50	Belledune River, bed, 53; rail.	107
333.31	Culligan siding.	138
336.59	Jacquet River station.	55
337.70	" water, 8; rail.	20
340.09	Nash Creek station.	25
343.17	Dickie siding.	61
346.42	New Mills station.	37
351.25	Charlo River, North Branch (tidewater), rail.	18
352.23	Charlo station.	53
357.82	Eel River " "	28
362.17	Dalhousie junction, with Dalhousie branch.	79
368.70	Mill Creek, (tidewater); rail.	31
371.02	Campbellton, junction with Restigouche and Victoria Ry.	40.3
373.02	Addington siding.	70
376.10	Moffatt station.	33
380.58	Flat Lands " "	63
382.26	Fraser siding.	70
383.10	Restigouche River, freshet water, 31; summer water, 13; rail.	45
383.78	Metapedia, junction with Baie des Chaleurs Division, Atlantic and Lake Superior Railway.	53
393.58	Mill Stream station.	139
394.66	Metapedia River, 1st crossing, water, 129; rail.	158
400.85	McKinnon Brook, water, 200; rail.	233
404.85	Assametquaghan station.	282
411.87	Beau Rivage (formerly Pleasant Beach) station.	366
	Doyle Brook, water, 340; rail.	359
412.90	Metapedia River, 2nd crossing, bed, 345; rail.	372
414.00	Smith mill-pond, water, 400; rail.	412
418.05	Metapedia River, 3rd crossing, water, 425; rail.	454
418.36	Causapscal station.	454
424.10	Salmon Lake " "	503
431.73	Anqui " "	532
440.00	Lake Metapedia, water.	515
440.06	Cedar Hall station.	541
446.70	Sayabec " "	578
449.99	Sandy Bay siding.	699
451.20	Lake Malfait, rail.	744
451.70	Summit.	571

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
454·17	St. Moise station.....	640
456·70	Brook, rail.....	573
461·70	Summit.....	716
462·16	Kempt station.....	688
466·99	Little Métis station.....	559
470·77	St. Octave ".....	346
472·25	St. Octave road crossing.....	276
473·20	Grand Métis River, water, 211; rail.....	270
476·11	Ste. Flavie station.....	266
480·70	Road crossing.....	231
484·22	Ste. Luce station.....	150
485·80	Pacquet road crossing.....	125
489·45	St. Anaclet and Father Point station.....	96
494·13	Rimouski station.....	54
494·55	Rimouski River, high water, spring tides, 8·3; low water (ordinary), 1; rail..	42·4
498·32	Sacré Cœur siding.....	19
504·53	Little Bic River, water, 38; bed, 29; rail.....	82
504·59	Bic station.....	82
512·15	R. Sud Ouest or Grand Bic, bed, 376; rail.....	408
513·92	St. Fabien station.....	445
523·84	St. Simon ".....	296
532·36	Trois Pistoles ".....	112
535·06	Riv. Trois Pistoles, high water, 7; low water, 1; rail.....	63
535·61	McKenzie siding.....	63
538·40	Summit.....	138
538·68	St. Elloi station.....	108
543·18	Isle Verte ".....	117
543·90	River Verte, high water, 92; low water, 85; rail.....	125
551·00	Summit, ground, 500 ft. west, 300; rail.....	292
551·69	St. Arsene station.....	274
553·85	Oacouna ".....	259
559·35	River du Loup, high water, 286; ordinary low water, 276; rail.....	315
559·39	River du Loup, junction with Temiscouata Ry.....	316·7
563·20	River des Prairies, water, 316; rail.....	338
565·35	Old Lake Road station.....	351
569·25	Summit.....	429
571·14	St. Alexandre station.....	370
575·68	St. André ".....	342
579·16	Ste. Hélène ".....	323
584·72	St. Paschal ".....	195
585·60	Kamouraska River, bed, 164; rail.....	179
590·59	St. Philippe de Néri station.....	145
594·26	Rivière Ouelle ".....	48
594·80	Rivière Ouelle, bed, 20; rail.....	43
595·99	King siding.....	53
600·38	Ste. Anne station.....	102
600·75	Ste. Anne River, bed, 81; rail.....	102
607·25	Le Bras River, water, 102; bed, 99; rail.....	112
607·81	Ste. Louise station.....	119
609·80	River Ferrée, water, 118; bed, 110; rail.....	133
611·64	Elgin Road station.....	162
614·40	Summit, ground, 188; rail.....	185
615·56	St. Jean Port Joli station.....	176
617·50	River St. Jean Port Joli, bed, 140; rail.....	157
618·20	River Trois Saumons, water, 104; rail.....	118
619·81	Trois Saumons station.....	100
622·25	River Tortue, east branch, bed, 66; rail.....	76
622·80	" " " " " 69; ".....	80
623·93	L'Islet station.....	104
627·29	L'Anse à Giles station.....	118
630·44	Cap St. Ignace ".....	132
637·00	River du Sud, water, 49; bed, 39; rail.....	58
637·26	Montmagny station.....	55
642·20	St. Pierre ".....	131
645·46	St. Francois ".....	134
650·58	St. Valier ".....	156
653·96	St. Michel ".....	176
655·70	River Boyer, water, 138; rail.....	168

Miles from Halifax	INTERCOLONIAL RAILWAY—MAIN LINE	Elevation
<i>Halifax to Ste. Rosalie</i>		
660.42	St. Charles, junction with Chaudière branch.....	203.5
661.70	Summit.....	335
669.30	Harlaka, junction with Quebec Central Ry.....	240
671.77	St. Joseph station.....	162
673.90	Lévis ".....	15
674.87	Pointe Lévis ".....	16
	River St. Lawrence at Lévis, extreme high tide (Nov. 5, 1884), 16' 88; ordinary high tide.....	7.38—8.55
676.36	Hadlow station.....	18
678.20	St. Romuald station.....	50
681.98	Chaudière Curve station.....	231
682.58	Chaudière junction, with Chaudière branch.....	234
683.17	Chaudière station, junction with Grand Trunk Ry.....	235
685.40	Terrebonne River, bed, 229; rail.....	248
686.54	St. Nicolas station.....	255
689.70	Vicotent River, bed, 251; rail.....	273
690.80	4th Range road crossing (summit).....	317
695.27	Ste. Apollinaire station.....	317
699.30	Summit, ground, 434; rail.....	430
703.24	Ste. Croix station.....	415
706.60	River Chienne, water, 370; rail.....	385
709.40	River Henri, water, 372; rail.....	382
713.40	River du Chêne, bed, 365; rail.....	382
713.89	River du Chêne station.....	386
714.90	Stream, bed, 366; rail.....	386
719.40	River Creuse, bed, 383; rail.....	386
720.17	Kingsburg, junction with Lotbinière and Megantic Ry.....	384
724.30	Road crossing, line between St. Jean des Chaillons and Blandford.....	344
726.36	River du Chêne, water, 284; rail.....	301
726.43	Moose Park station.....	301
727.00	Summit.....	327
727.80	Brook, bed, 301; rail.....	305
730.83	Soulards station.....	308
733.96	Gentilly River, bed, 285; rail.....	291
734.39	Forestdale station.....	291
737.94	River Sauvage, bed, 278; rail.....	282
740.58	River Bécancour, bed, 242; rail.....	281
740.62	Maddington Falls station.....	281
743.00	Portage River, bed, 245; rail.....	268
745.86	Aston, junction with Three Rivers and Arthabaska branch, Grand Trunk Ry.....	280
749.28	River Blanche, bed, 243; rail.....	267
749.56	St. Venceslas station.....	275
753.90	St. Leonard junction, with Nicolet branch.....	232
754.20	Northeast Branch Nicolet River, water, 149; bed, 144; rail.....	226
758.67	Ste. Perpetue station.....	228
760.30	Southwest Branch Nicolet River, water, 191; bed, 187; rail.....	221
760.47	Mitchell station.....	227
762.62	Blakes mill siding.....	268
765.53	Carmel station (summit).....	349
767.10	River des Saults, bed, 259; rail.....	273
768.58	St. Cyrille station.....	280
771.80	St. Francis River, high water, 256; low water, 248; rail.....	261
772.30	Canadian Pacific Ry., Drummondville branch, crossing.....	290
772.35	Drummondville station.....	290
775.60	Black River, bed, 247; rail.....	258
776.77	St. Germain station.....	241
780.80	Summit.....	326
781.63	Duncan station.....	290
783.14	St. Eugène ".....	273
785.87	Summit.....	263
788.27	Bagot station.....	241
789.47	River Chibouette, bed, 217; rail.....	227
791.23	Road crossing, (summit).....	244
792.77	St. Edward station.....	235
794.29	St. George ".....	203
796.08	River Delorme, bed, 138; rail.....	153
799.11	Ste. Rosalie, junction with Grand Trunk Ry., 38.01 miles from Montreal.....	113.8

Miles from St. Charles	INTERCOLONIAL RAILWAY—CHAUDIERE BRANCH	Elevation
0'00	St. Charles, junction with main line.....	293·5
3'00	Summit, rail.....	328
7'79	St. Henri, junction with Quebec Central Ry.....	297
10'38	River Etchemin, water, 203; rail.....	252
12'86	St. Jean Chrysostome station.....	214
16'38	Chaudière, junction with Quebec Br., Grand Trunk Ry.....	234
Miles from St. Leonard	INTERCOLONIAL RAILWAY—NICOLET BRANCH	
0'00	St. Leonard junction, with main line, 753·90 miles from Halifax.....	232
0'37	St. Leonard station.....	237
3'80	Summit.....	252
8'36	St. Monique station.....	162
11'70	St. Guillaume road crossing.....	125
14'50	Great Eastern Ry. ".....	76
14'76	Nicolet station.....	75
17'35	Wharf at Balls mills, water, St. Lawrence River (Dec., 1888), 15; rail.....	27
Miles from Moncton	INTERCOLONIAL RAILWAY ST. JOHN BRANCH	
0'00	Moncton, junction with main line and Pointe du Chêne branch.....	50
5'87	Summit.....	111
8'16	Depression.....	34
10'04	Boundary Creek station.....	79
13'21	Salisbury.....	102
15'34	North River siding.....	91
17'95	Pollet River station.....	80
18'90	Petitcodiac River, water, 59; rail.....	80
21'24	Summit.....	119
22'79	Petitcodiac, junction with Elgin and Havelock Ry.....	100
23'17	Davidson siding.....	101
26'79	Hayward.....	140
28'40	Anagance station.....	159
28'90	Summit.....	172
31'00	Portage, ballast pit siding.....	133
33'87	Summit.....	167
34'36	Dunsinane siding.....	157
36'07	Penobscuis tank.....	103
37'62	Ballast pit siding.....	126
38'00	Penobscuis station.....	93
38'80	Salmon River, bed, 70; rail.....	85
42'28	Plumweseep station.....	67
43'25	Penobscuis River, bed 47; rail.....	65
45'25	Trout Brook, bed, 64; rail.....	73
45'47	Su-sex station.....	69
47'30	Heffers siding.....	61
49'96	Apohaqui station.....	73
52'38	Secord siding.....	53
52'84	Gurney.....	59
54'43	Williams.....	45
56'50	Norton, junction with Central Ry. of New Brunswick, Northern Div.....	53
58'35	Moosehorn siding.....	38
58'65	Moosehorn Brook, bed, 17; rail.....	36
61'48	Bloomfield station.....	36
62'93	Passekeag.....	33
64'93	Summit.....	75
67'19	Hampton, junction with Central Ry. of New Brunswick, Southern Div.....	27
68'54	Lakeside station.....	28
72'48	Nauwigewank station.....	23
72'78	Hammond River, water, 5; rail.....	27
73'66	Jubilee station.....	47
75'56	Model Farm station.....	130
77'00	Summit.....	179
77'20	Quispamsis station.....	159
80'38	Rotheray.....	23
81'91	Riverside.....	20
	Kennebecasis Bay, high water.....	6

Miles from Moncton	INTERCOLONIAL RAILWAY—ST. JOHN BRANCH	Elevation
83·57	Torreyburn station (summit)	75
84·89	Brookville "	28
86·17	Coldbrook "	15
89·22	St. John "	17·5
	Carleton station	16·5
	St. John wharf	15·5
Miles from Painsec	INTERCOLONIAL RAILWAY—POINTE DU CHENE BRANCH	
0·00	Painsec, junction with main line, 178·61 miles from Halifax	149
5·00	Dorchester Road station	107
8·25	Smith siding	38
9·25	Shediac station	47
11·38	Pointe du Chêne wharf, high water, 3; low water, —3; rail	9
Miles from Windsor Jc.	INTERCOLONIAL RAILWAY—DARTMOUTH BRANCH	
0·00	Windsor junction, with main line, 13·91 miles from Halifax	129
0·80	Three-mile Lake, water, 96; rail	115
2·08	Waverley station	70
6·50	Summit, rail and ground	146
12·38	Dartmouth station	14·5
14·78	Sugar refinery	15·5
Miles from New Glasgow	INTERCOLONIAL RAILWAY—PICTOU LANDING BRANCH	
0·00	New Glasgow, junction with Mulgrave branch, 42·92 miles from Truro	29
1·00	Trenton station	41
4·00	Glenfalloch siding	70
4·28	Summit	75
8·00	Pictou Landing station	10
Miles from Stellarton	INTERCOLONIAL RAILWAY—PICTOU TOWN BRANCH	
0·00	Stellarton, junction with Mulgrave branch, 40·82 miles from Truro	58
2·55	Intercolonial Coal Co. Ry. crossing	180
3·13	Westville station (summit)	216
5·00	McCulloch Brook, bed, 30; rail	117
7·00	Middle River of Pictou (tidewater), rail	20
7·73	Sylvester station	20
10·53	Lochbroom "	10
12·23	Browns Point, junction with Oxford branch	11
13·93	Pictou station	9
Miles from Derby	INTERCOLONIAL RAILWAY—INDIANTOWN BRANCH	
0·00	Derby, junction with main line, 260·54 miles from Halifax	33
3·40	Fitzgerald Brook, high water, 4; rail	26
4·32	Millerton station	23
5·30	Wilson Brook, high water, 4; rail	23
9·20	Summit, rail and ground	127
11·00	Elm-tree Brook, bed, 49; rail	68
13·51	Indiantown, junction with Canada Eastern Ry., Indiantown branch	30
Miles from Dalhousie Jc.	INTERCOLONIAL RAILWAY—DALHOUSIE BRANCH	
0·00	Dalhousie junction, with main line, 362·17 miles from Halifax	79
2·00	Summit siding, ground, 236; rail	230
7·00	Dalhousie station	13

Miles from Oxford Jc.	INTERCOLONIAL RAILWAY—OXFORD BRANCH	Elevation
0·0	Oxford junction, with main line, 108·19 miles from Halifax.....	94
2·9	Oxford station.....	38
6·1	Summit.....	152
11·4	Conn's Mills station.....	25
14·6	Summit.....	73
15·7	Pugwash junction, with Pugwash branch.....	37
20·4	Pugwash station.....	14
20·2	Wallace Bridge station.....	48
21·3	Wallace River (tidewater), rail.....	51
23·2	Wallace station.....	132
27·5	Ross Road ".....	48
30·7	Road crossing.....	86
35·1	Tatamagouche station.....	15
38·8	Road crossing.....	49
41·8	Denmark station (summit).....	141
42·2	River John ".....	67
48·3	" low water, 0; rail.....	62
52·0	Rogers siding (summit).....	227
55·2	Meadowville station.....	141
60·2	Scotsburn " (summit).....	251
64·9	Scotch Hill ".....	61
67·4	Browns Point, junction with Pictou Town branch.....	11
69·1	Pictou station.....	9
Miles from Truro	INTERCOLONIAL RAILWAY—MULGRAVE BRANCH	
0·00	Truro, junction with main line, 61·83 miles from Halifax.....	60
2·94	Murray siding.....	87
4·66	Valley station.....	102
8·97	Union ".....	218
12·72	Riversdale station.....	314
13·99	Hingley ".....	335
16·30	Black River, bed, 399; rail.....	406
16·51	Campbell station.....	429
19·22	Lansburg tank (summit).....	505
20·72	West River station.....	441
21·05	West River of Pictou, bed, 419; rail.....	427
23·80	Gordon Summit siding (summit), rail.....	559
25·55	Lansdowne station.....	463
28·45	Glengarry ".....	395
29·00	Middle River of Pictou, bed, 309; rail.....	375
30·09	Lorne siding.....	365
34·98	Hopewell station.....	206
36·49	Eureka siding.....	145
37·27	Ferrona junction, with Nova Scotia Steel Co.'s Railway.....	129
38·08	Riverton siding.....	120
	Intercolonial Coal Co.'s Ry. junction.....	185
40·82	Stellarton, junction with Pictou Town branch.....	58
41·32	Vale Colliery Ry. junction.....	18
42·09	Lourdes station.....	18
42·92	New Glasgow, junction with Pictou Landing branch.....	29
46·16	Summit.....	218
48·85	Woodburn station.....	136
50·92	Pine Tree ".....	16
53·24	West Merigomish station.....	65
53·45	Summit.....	77
56·63	Merigomish station.....	18
61·42	Piedmont ".....	241
62·58	Summit.....	288
65·19	Avondale station.....	151
66·20	West Branch Barney River, water, 118; rail.....	160
66·26	Dewars siding.....	160
67·20	Barney River station.....	183
71·12	Marshy Hope ".....	373
72·15	Summit.....	451
74·98	James River station.....	255

Miles from Truro	INTERCOLONIAL RAILWAY—MULGRAVE BRANCH	Elevation
76.42	James River, water, 188; rail	203
79.04	Brierly Brook station	148
81.40	South Branch Rights River, bed, 123; rail	135
82.50	Rights River, bed, 53; rail	66
84.43	Antigonish station	20
89.53	South River "	20
91.41	Taylor Road "	113
94.32	Pomquet "	43
96.56	Heatherton "	20
98.14	Summit	188
98.93	Bayfield Road station	135
99.50	Afton River, water 88; rail	99
100.34	Afton station	96
100.79	Summit	150
104.42	Tracadie station	48
105.68	Monastery "	13
106.74	Black River siding	15
109.11	Linwood station	127
113.14	Harbour au Bouche station	271
117.14	Cape Porcupine "	398
123.07	Mulgrave "	9
Miles from Pt. Tupper	INTERCOLONIAL RAILWAY—CAPE BRETON BRANCH	
0.00	Point Tupper station, high water, 3.6; low water, --3.6; rail	9
1.01	Hawkesbury "	28
4.45	Mines Road " (summit), ground 151; rail	142
6.10	Beaver-dam Lake, bed 92; rail	111
7.30	McIntyre Lake station	133
9.80	River Inhabitants, water, 0; rail	21
13.90	West Bay Road station	214
16.10	Summit, ground, 298; rail	286
21.20	River Denys station	72
23.10	River Denys, bed, --5; rail	12
26.40	Summit, ground, 66; rail	61
29.10	Orangedale station	12
32.60	Summit, ground 81; rail	79
34.22	Alba station	15
38.10	Summit, ground, 108; rail	89
39.90	McKinnon Harbour station	9
45.40	Iona station	12
45.60	Narrows between Little and Great Bras d'Or lakes (tidewater), rail	12
46.20	Grand Narrows station	12
51.30	Summit, ground, 94; rail	92
54.75	Shenacadie station	14
63.45	Boisdale "	12
68.88	Barrachois "	21
74.50	George River "	37
77.00	Scotch Lake Brook, bed, 130; rail	141
78.20	North Sydney junction (summit)	159
80.75	Leitch Creek station	10
81.60	Ball Creek, water, 0; rail	10
85.00	Summit, ground, 121; rail	114
88.00	South Arm Sydney Harbour (tidewater), rail	27
90.90	Sydney and Louisburg Ry. junction	7
91.10	Sydney station	8
92.20	Battery Point wharf	10
Miles from N. Sydney Jct.	INTERCOLONIAL RAILWAY—NORTH SYDNEY BRANCH	
0.00	North Sydney junction	159
4.50	North Sydney station	41

Miles from Harvey	INTERCOLONIAL RAILWAY—"SHORT LINE" (projected)	Elevation
<i>Harvey to Berrys Mills</i>		
0-00	Harvey station, Canadian Pacific Ry. 'Short Line,' 65-0 miles from St. John	493
3-50	Moodie road, ground	514
4-30	Lyon Brook, grade, 514; bed	500
7-02	Hunter road, ground	437
10-72	Longs Brook, grade, 351; water	333
15-75	Rusiagornis Brook, grade, 362; bed	353
18-13	Howie road, ground	423
19-94	Murray Canal, grade, 347; bed	339
26-80	St. John River at Fredericton, high water, 18-3; low water	10-3
32-70	Portobello Brook, grade, 100; bed	66
34-86	Summit, grade, 174; ground	178
37-33	Bartlett Mill Stream, grade, 121; bed	106
40-60	Summit, grade, 201; ground	209
42-05	Burpee Brook, grade, 167; bed	118
45-70	Summit, ground	266
50-78	Little River, grade, 74; bed	49
55-40	Summit, ground	201
56-80	Newcastle Brook, grade, 68; high water, 47; low water	46
60-75	Summit, ground	93
65-85	Salmon River, grade, 31; high water (1887), 22; ordinary high water, 15; low water (July 27, 1889)	3
66-70	Summit, ground	76
70-00	Coal Creek, grade, 47; high water (1887), 22; water (Dec., 1889)	5
74-80	Summit, ground	231
75-52	Cumberland Bay Brook, grade, 211; bed	197
76-90	Summit, ground	260
83-45	North Branch Canaan River, grade, 97; high water, 70; low water	62
86-80	Summit, grade, 148; ground	160
89-86	Alward Brook, grade, 52; bed	40
94-15	Canaan River, grade, 75; extreme high water (1854), 69; low water	58
99-25	Summit, ground	243
99-46	Junction with line to Salisbury, grade, 227; ground	229
103-50	Summit, grade, 362; ground	365
110-06	North River, grade, 222; high water, 206; low water	195
113-00	Summit, grade, 309; ground	312
114-73	Berrys Mills station, Intercolonial Ry., main line, 193-41 miles from Halifax.	215
<i>Alternative line to Salisbury</i>		
99-46	Junction with line to Berrys Mills, grade, 227; ground	229
102-40	Summit, grade, 282; ground	288
105-75	North River, grade, 159; extreme high water (1854), 156; low water	148
107-80	Summit, grade, 252; ground	200
110-70	Salisbury station, Intercolonial Ry., St. John branch	102
INTERCOLONIAL RAILWAY—"CENTRAL ROUTE"		
<i>Exploratory Survey, River Trois Pistoles to Apohaqui</i>		
0-0	East bank of River Trois Pistoles, 8 miles south of Trois Pistoles station on Intercolonial Ry., ground	511
2-4	Road at St. Jean de Dieu P. O., ground	505
3-0	Baibauscache River near St. Jean de Dieu P. O., bed, 486; grade	511
10-4	Baibauscache River, 2nd crossing, bed	641
11-7	Summit between Baibauscache River and Island Lake, ground	711
13-0	Island Lake, water	667
22-7	Eagle Lake, "	534
23-5	Wagan Brook, 1st crossing, bed	538
25-8	" 2nd "	559
27-0	Wagan Lake, water	568
29-8	Divide between Wagan and Touradif rivers	588
30-0	Upper Touradif Lake, water	573
32-0	Lower " "	563
33-7	Touradif River, bed	552

Miles from R. Trois Pistoles	INTERCOLONIAL RAILWAY—"CENTRAL ROUTE"	Elevation
<i>Exploratory Survey, River Trois Pistoles to Apohuqui</i>		
37.9	Snellier River, 1st crossing, bed.....	563
39.7	" 2nd " "	675
44.0	" 3rd " "	764
44.4	Divide between Snellier River and Tracy Brook ground.....	795
46.0	D'Embarras River, bed.....	763
49.9	North Branch Touradif River, bed.....	983
50.5	Echo Lake, water.....	985
50.0	Summit Lake, water, 1,351; summit of ground.....	1,365
57.2	Porcupine Lake, water.....	1,337
63.7	Rimouski River, bed.....	1,388
65.0	Interprovincial boundary, New Brunswick and Quebec, ground.....	1,466
66.6	Lake Tiarks, water.....	1,517
66.9	Divide between Rimouski and Green rivers, ground.....	1,535
70.6	Green River Lake (1st lake), water.....	1,362
73.4	Branch of Green River, bed.....	1,290
79.7	North-west Branch Green River, bed.....	1,105
82.8	North-east " " 1½ miles below mouth of Otter Brook, bed.....	1,141
84.3	" " " bed.....	1,192
87.8	" " " "	1,370
89.6	Divide between Green and Gouanamitz rivers, ground.....	1,533
99.0	North Branch Gouanamitz River, bed.....	823
103.9	Gouanamitz River, 1st crossing, grade, 719; bed.....	705
108.2	" " 2nd " (at 1st fall), grade, 612; bed.....	595
111.8	" " 3rd " ½ mile below Halfway Lodge, bed.....	527
113.9	" " 4th " bed.....	479
115.1	Restigouche River, one mile below junction with Gouanamitz River, high water, 471; low water.....	465
120.7	Divide between Boston and Jardine brooks, bed.....	832
125.8	Grand River, water.....	744
127.6	Gull Lake, water.....	795
132.4	Divide between Grand and Little rivers, ground.....	1,105
133.5	Little River, grade, 1,061; bed.....	1,043
134.2	Divide between Little and Salmon rivers, ground.....	1,068
137.9	North Branch Salmon River, water.....	863
138.8	Divide between North and Middle branches of Salmon River, grade, 935; ground.....	950
140.8	Middle Branch Salmon River, bed.....	796
141.3	Divide between Middle Branch and Cedar Brook, ground.....	846
142.1	Cedar Brook, grade, 805; bed.....	796
145.0	Divide between Salmon River and Tobique River waters, ground.....	865
150.0	Two Brooks, 1st crossing, bed.....	623
152.6	" 2nd " near confluence with Tobique River, bed.....	494
155.7	Tobique River (Dow flat), bed.....	443
160.5	" ½ mile above mouth of Little Gulquac River, grade, 449; water, 419; bed.....	415
165.7	Divide between Little Gulquac and Little Wapskehegan, ground.....	711
166.7	Little Wapskehegan River, grade, 651; bed.....	598
171.3	Divide between Little Wapskehegan and Wapskehegan rivers, ground.....	803
171.6	Wapskehegan River, grade, 808; bed.....	663
176.7	Divide between Oven-rock and Frank brooks (Tobique and Miramichi waters), grade, 1,195; ground.....	1,206
180.2	North Branch Miramichi River, small lake, water.....	1,100
182.2	North Branch Main Southwest Miramichi River, 1st crossing, near Carleton and Victoria county-line, grade, 1,060; bed.....	1,031
183.8	North Branch Main Southwest Miramichi River, 2nd crossing, bed.....	977
191.7	Peters Brook, bed.....	862
197.7	South Branch South-west Miramichi River at mouth of Turtleshell Brook, grade, 825; water.....	808
200.3	Divide between South-west Miramichi and Nashwaak rivers (Nashwaak sum- mit), ground.....	983
204.5	Southwest Branch Nashwaak River, grade, 920; bed.....	909
209.2	Big Brook, bed.....	857
211.3	Nashwaak River at mouth of Sister Anne Brook, grade, 841; bed.....	826
214.3	Divide between Nashwaak and Keswick rivers (Keswick summit), ground.....	1,040
215.5	Grade opposite Becaguimec Lake.....	932
221.0	Bank of Keswick River, ground.....	567
224.0	Keswick River, 1st crossing, bed.....	378
224.4	" 2nd " "	362

Miles from Tignish	PRINCE EDWARD ISLAND RAILWAY—MAIN LINE	Elevation
<i>Tignish to Souris</i>		
0.0	Tignish station	62
2.3	Harper "	67
4.6	De Blois "	124
6.3	Summit, rail	168
6.9	Kildare station	142
9.1	Alma (Montrose) station	142
13.3	Alberton station	24
14.6	" wharf	5.5
16.9	Elmsdale station	124
19.4	Summit	155
22.3	Bloomfield station	130
26.2	Howlan (Mill River) station	55
26.7	Summit	111
28.0	O'Leary station	99
31.3	Coleman "	67
36.2	Depression	15
36.9	Portage station	37
40.2	Conway "	73
40.9	Summit	75
44.6	Ellerslie station	58
46.2	Port Hill "	99
46.4	Summit	103
48.8	Northam station	74
50.6	Summit	132
51.7	Richmond station	75
56.3	Wellington "	64*
57.5	Depression	10
59.2	St. Nicholas station	53
62.9	Miscouche "	85
66.3	St. Eleanors "	80
68.0	Summerside wharf	8
70.0	Summit	90
71.0	Travellers Rest station	36
72.3	New Annan "	50
74.3	Barbara Weit "	30
76.3	Kensington "	119
74.4	Summit	171
78.4	Blueshanks station	124
80.0	Depression	55
81.7	Freetown station	102
82.0	Depression	85
85.3	Emerald, junction with Cape Traverse branch	123
87.6	Breadalbane station	135
89.6	Elliott "	181
91.7	Summit	307
91.8	Fredericton station	306
93.8	Clyde "	202
96.3	Hunter River "	86
100.0	North Wiltshire " (summit)	305
103.5	Colville "	179
106.0	Loyalist Road "	48
107.1	Milton "	25
110.8	Winsloe Road "	144
111.9	Royalty junction	166
113.2	Cemetery station	127
117.1	Charlottetown station	8
117.2	" wharf	8.2
112.3	Summit	181
112.6	Point station	159
114.0	Union Road station	118
115.7	York "	138
118.1	Suffolk "	156
119.0	Summit	173

*This elevation was extracted from the railway profile, but is obviously in error, as barometric measurements by Mr. R. Chalmers gave an elevation of only 10 feet.

Miles from Tignish	PRINCE EDWARD ISLAND RAILWAY—MAIN LINE	Elevation
<i>Tignish to Souris</i>		
120.4	Bedford station.	92
121.0	Summit	100
123.3	Tracadie station	61
128.7	Mount Stewart, junction with Georgetown branch.	24
129.9	St. Andrews station	15
131.7	Douglas "	88
134.2	Dundee " (summit)	108
136.6	Lot 40 "	51
138.1	Morelle "	39
	Marie "	23
145.3	St Peters "	15
147.4	Five Houses "	125
149.0	Ashton "	143
152.3	Selkirk "	101
152.8	Depression	72
154.5	Rollo Bay station	134
156.7	Bear River "	219
156.9	Summit	228
159.1	New Zealand station.	183
161.7	Harmony "	161
166.7	Souris "	15
167.3	" wharf	7
Miles from Cape Traverse	PRINCE EDWARD ISLAND RAILWAY—CAPE TRAVERSE BRANCH	
0.0	Cape Traverse station.	11
1.8	Tanks "	24
4.2	Albany "	127
7.7	Kinkora "	141
11.8	Emerald, junction with main line, 85.3 miles from Tignish.	123
Miles from Mt. Stewart	PRINCE EDWARD ISLAND RAILWAY—GEORGETOWN BRANCH	
0.0	Mount Stewart, junction with main line, 128.7 miles from Tignish.	24
2.6	Pisquid station.	59
7.2	Peake station	110
9.2	Baldwin (St. Teresa) station.	189
9.3	Summit	195
13.7	Perth station.	136
18.1	Cardigan "	79
21.0	Brudenell "	65
24.1	Georgetown station	26
24.5	" wharf	6

Miles from Windsor Junc.	DOMINION ATLANTIC RAILWAY—MAIN LINE	Elevation
0.0	Windsor junction, with Intercolonial Railway, 13.91 miles from Halifax.....	129
2.9	Beaver Bank station.....	229
3.7	Fenerty Lake siding.....	254
4.9	Fenerty ".....	266
7.5	Grove ".....	349
8.8	Summit.....	466
9.8	South Uniacke siding.....	449
10.9	Hay and Hibbert ".....	466
12.8	Summit.....	514
12.9	Mount Uniacke station.....	509
19.5	Stillwater siding.....	412
21.9	Dawson ".....	312
22.9	Ellershouse station.....	258
25.9	Newport ".....	119
28.8	Three-mile Plains siding.....	79
30.3	Wilkins and Ballast pit siding.....	26
31.6	Windsor station.....	26
33.0	Falmouth ".....	27
38.6	Hantsport ".....	48
43.1	Avonport ".....	57
45.5	Horton Landing station.....	44
46.7	Grand Pre ".....	28
49.7	Wolfville ".....	28
51.5	Port Williams ".....	31
56.7	Kentville, junction with Cornwallis Valley branch.....	38
61.1	Coldbrook station.....	71
63.7	Cambridge ".....	71
65.9	Waterville ".....	93
68.8	Berwick " (summit).....	140
74.1	Aylesford ".....	100
75.7	Auburn ".....	94
80.2	Kingston ".....	86
83.7	Wilmot ".....	70
87.4	Middleton, junction with Central Railway of Nova Scotia.....	73
93.7	Lawrencetown station.....	75
96.5	Paradise ".....	50
101.3	Bridgetown ".....	20
109.0	Roundhill ".....	32
115.2	Annapolis, old ".....	16
115.5	" new ".....	18
116.0	Allen River (tidewater), rail.....	16
122.9	Clementsport station.....	68
125.6	Deep Brook (tidewater), rail.....	38
129.1	Bear River station.....	30
132.5	Smith Cove ".....	44
135.6	Digby ".....	33
139.8	Jordantown ".....	165
143.8	Bloomfield ".....	309
144.3	Summit.....	332
146.0	North Range station.....	302
149.0	Plympton ".....	292
151.0	Sissiboo Falls ".....	288
150.8	Weymouth ".....	53
161.4	Belliveau ".....	151
165.6	Church Point ".....	147
166.8	Little Brook ".....	140
169.4	Saulnierville ".....	117
172.6	Meteghan ".....	125
181.8	Hectanooga ".....	163
184.8	Lake Annis ".....	160
189.1	Brazil Lake ".....	211
193.1	Pitman Road ".....	231
195.4	Ohio ".....	157
197.8	Hebron ".....	82
201.5	Yarmouth, junction with Coast Railway.....	36

Miles from Kentville	DOMINION ATLANTIC RAILWAY—CORNWALLIS VALLEY BRANCH	Elevation
0·0	Kentville, junction with main line, 56·7 miles from Halifax.....	38
2·4	Mill Village station.....	45
4·9	Centreville ".....	90
7·7	Sheffield Mills ".....	92
9·3	Hillaton ".....	30
10·8	Canning ".....	72
13·7	Kingsport ".....	47
Miles from Truro	MIDLAND RAILWAY	
0·0	Truro, junction with Intercolonial Railway, main line, 61·83 miles from Halifax.....	60
4·6	McNutt Brook, bed, 16; rail.....	34
4·7	Old Barns road crossing.....	34
6·7	Beaver Brook, bed, 16; rail.....	34
7·0	Clifton station.....	31
8·9	Mud Brook, bed, 89; rail.....	123
11·6	Pitch " " 169 ".....	184
12·3	Princeport Road station.....	212
12·5	Summit, ground, 235 ".....	233
13·8	Fisher Brook, bed, 169; rail.....	175
14·8	" " 94 ".....	123
16·1	Green Oaks station.....	68
16·8	Shubenacadie River, extreme high water, 29; low water, —3; rail.....	44
17·7	South Maitland station.....	32
18·0	McMullin station.....	42
20·3	Five-mile River, bed, 76; rail.....	92
20·6	Latties Brook P. O., road crossing near.....	96
22·0	Five-mile River, bed, 112; rail.....	128
22·8	Burton station.....	141
24·2	Summit, ground, 174; rail.....	171
26·3	Doddridge station.....	140
29·6	Kennetcook River, bed, 89; rail.....	104
31·3	Kennetcook station.....	97
35·2	Riverside Corner P. O., road crossing near.....	72
37·4	Kennetcook River, bed, 162; rail.....	177
39·1	Clarksville station.....	70
39·9	Lacy Brook, bed, 56; rail.....	63
42·7	Stanley station.....	38
44·8	Little River, bed, 23; rail.....	37
45·7	Mosherville P. O., grade opposite.....	139
48·0	Scotch Village station.....	133
48·7	Summit, ground, 161; rail.....	139
51·2	Herbert River, bed, 26; rail.....	37
51·3	Millbrook station.....	37
51·5	Brooklyn ".....	33
52·6	Meadowdale ".....	31
54·1	St. Croix River, bed, 5; rail.....	35
54·2	St. Croix station.....	35
55·4	Dimock ".....	30
57·8	Windsor, junction with Dominion Atlantic Railway, 31·68 miles from Windsor Junction.....	26
Miles from Brookfield	MIDLAND RAILWAY—TRIAL LINE (abandoned)	
0·0	Brookfield, junction with Intercolonial Railway, 53·81 miles from Halifax.....	101
1·9	Summit, ground, 160; grade.....	149
5·7	Saundersons mill-pond, ".....	66
7·8	Summit, ground, 184; ".....	178
26·6	Summit.....	121
38·4	Little River, bed, 18; grade.....	36
40·4	Main road to Windsor, ".....	72
42·3	Summit, ground, 162; ".....	153
44·8	Herbert River, bed, 24; ".....	38
45·1	Road to Brooklyn, ".....	36
47·2	St. Croix River, bed, —2; grade.....	34
50·0	Dominion Atlantic Ry. near Newport station.....	109

Miles from I. C. Ry.	MIDLAND RAILWAY—TRIAL LINE UP VALLEY OF STEWIACKE RIVER (abandoned)	Elevation
0.0	Junction with Intercolonial Railway, 1 mile south of Brookfield.....	113
0.3	Little River, bed, 87; grade.....	96
2.2	Summit, ground, 207; grade.....	197
2.4	Downing Brook, bed, 165; grade.....	182
3.1	Forest Glen road, ground, 202; grade.....	196
5.6	Brenton Brook, bed, 41; grade.....	55
9.6	Middle Stewiacke village.....	80
10.3	Fisher Brook, bed, 91; grade.....	94
16.6	Upper Stewiacke village.....	90
19.2	Orclman Brook, water, 111; grade.....	121
19.4	Stewiacke Cross Roads.....	138
20.0	Stewiacke River, freshet, 105; ordinary water, 98; grade.....	111
20.7	Iron mines, near Stewiacke Cross Roads.....	132
21.6	Springside corner.....	135
22.5	Eastville village.....	138
25.3	Post road.....	223
Miles from Lunenburg	CENTRAL RAILWAY OF NOVA SCOTIA	
0.0	Lunenburg wharf, rail.....	9
0.5	" station.....	30
5.0	Summit.....	94
6.5	Mahone station.....	84
8.6	Blockhouse ".....	180
11.9	Summit.....	230
12.2	Maitland station.....	204
18.3	Bridgewater ".....	13
21.0	Cook Brook, bed, 60; rail.....	66
26.3	Northfield station.....	133
28.8	Riversdale ".....	125
32.0	Northfield road crossing.....	165
33.0	Indian Brook, bed, 181; rail.....	203
33.9	New Germany station (summit).....	260
37.3	La Have River, bed, 173; rail.....	190
39.0	Bog Brook, bed, 268; rail.....	272
41.0	Cherryfield station.....	327
45.0	Springfield ".....	551
47.2	Ridge Road ".....	576
52.0	Dalhousie ".....	643
52.3	Summit.....	644
56.4	Nictaux River, water 567; rail.....	577
62.0	Albany station.....	573
64.0	Alpena ".....	534
69.3	Nictaux ".....	150
71.9	Annapolis River, bed, 17; rail.....	59
72.8	Dominion Atlantic switch.....	78
73.3	Middleton, junction with Dominion Atlantic Railway.....	73
Miles from Sand Point	NOVA SCOTIA SOUTHERN RAILWAY (projected)	
0.0	Sand Point, grade.....	16
4.5	Shelburne, Clement St., grade.....	69
8.0	Purney Brook, water, 50; grade.....	54
9.0	Summit (wood road crossing), ground, 114; grade.....	105
10.2	Jordan River, water, 17; grade.....	25
14.0	Brook, bed, 160; grade.....	164
17.0	Summit.....	262
18.9	Sable River, water, 176; grade.....	185
21.4	" Cooper Trap, water, 214; grade.....	222
22.9	Summit (Blue Hill road crossing).....	263
24.2	Tom Tidney River, bed, 245; grade.....	249
28.0	Summit, ground and grade.....	320
30.6	Broad River, water, 201; grade.....	295
36.4	Summit, ground and grade.....	350
38.0	Liverpool River ("Indian gardens"), high water, 256; low water, 254; grade.....	270
42.7	Burnaby Brook, bed, 271; grade.....	276
44.0	Summit, ground, 309; grade.....	306

Miles from Sand Point	NOVA SCOTIA SOUTHERN RAILWAY (projected)	Elevation
45.0	Sixteen-mile Brook, water, 276; grade.....	279
50.4	Martin Lake Brook, water, 247; grade.....	254
54.6	Caledonia, post road.....	308
54.7	Summit.....	313
56.8	Port Medway River, water, 254; grade.....	265
57.2	South Brookfield village.....	263
58.5	Malaga road crossing.....	279
62.0	Summit, ground, 342; grade.....	335
63.3	New Elm road crossing.....	295
63.8	Pleasant River, water, 285; grade.....	292
66.2	Kiddy Brook, bed, 341; grade.....	346
67.8	Lake road crossing.....	369
68.6	Summit, ground, 403; grade.....	383
71.3	Hemford, public road.....	330
73.4	Springfield road.....	307
74.2	New Canada road.....	276
75.0	End of profile; near New Germany station, Central Ry. of Nova Scotia.....	255
Miles from Ferrona Jet.	NOVA SCOTIA STEEL CO.'S RAILWAY	
0.00	Ferrona junction, with Mulgrave branch, Intercolonial Railway.....	120
0.47	West Branch East River of Pictou, water, 65; bed, 63; rail.....	107
0.70	Ferrona siding.....	113
2.73	East River of Pictou, water, 120; bed, 118; rail.....	143
4.79	Springville siding.....	182
5.19	Lime Quarry siding.....	164
6.12	Cameron Mine ".....	184
6.46	Bridgville station.....	177
6.93	McDonald Mine siding.....	180
7.61	Charcoal junction.....	191
8.81	St. Paul siding.....	206
10.79	Black Rock ".....	257
12.51	Sunnybrae station.....	267
Miles from Parrsboro	CUMBERLAND RAILWAY AND COAL CO. (SPRINGHILL AND PARRSBORO RY.)	
0.0	Parrsborostation.....	21
4.0	Lakeland ".....	67
5.0	Summit.....	84
5.1	Jeffers siding.....	82
7.9	Switch.....	64
9.3	Newville station.....	66
12.2	Westbrook ".....	108
14.5	Gravel pit siding.....	102
15.1	Southampton station.....	112
16.0	Lawrence siding.....	115
17.8	Maccan River, rail.....	134
17.9	East Southampton and Mapleton station.....	133
19.9	Etter road crossing.....	167
20.8	Siding.....	198
23.2	Mountain road siding.....	323
24.0	Springhill road crossing.....	368
26.3	Connection with line to Springhill junction.....	491
	Springhill Mines station.....	448
28.5	Stream crossing, rail.....	287
29.4	Summit.....	322
30.9	Springhill junction, with Intercolonial Railway, 120.91 miles from Halifax.....	199
Miles from Yarmouth	COAST RAILWAY	
0.0	Yarmouth station.....	12
2.7	Summit, ground, 124; rail.....	116
4.9	Arcadia station.....	23
6.6	Summit, ground, 77; rail.....	74
7.0	Ferry Road station.....	54
9.9	Pleasant Lake ".....	16
11.2	Tusket ".....	54
13.7	Belleville ".....	53

Miles from Yarmouth	COAST RAILWAY	Elevation
16.5	Summit, ground and rail	79
19.0	Argyle station	10
21.9	Central Argyle station	40
24.4	Lower Argyle "	66
26.7	Summit, ground, 89; rail	74
28.0	Pubnico station	10
30.7	East Pubnico station	14
34.0	Lower East Pubnico station	11
35.5	Summit, ground, 71; rail	64
37.6	Upper Woods Harbour station	10
41.6	Woods Harbour "	36
43.8	Shag Harbour "	59
49.7	Barrington Passage "	10
<i>Proposed Extension</i>		
55.9	Summit, ground, 82; grade	76
56.8	Clements pond, water, 61; grade	66
60.7	Port Clyde	26
61.0	End of profile at proposed crossing of Clyde River (tidewater), grade	14
Miles from Hawkesbury	INVERNESS AND RICHMOND RAILWAY	
0.0	Hawkesbury, junction with Intercolonial Ry., Cape Breton branch	28
4.5	Hastings station	8
12.1	Craignish, road crossing	82
12.7	Summit	110
15.7	Craigmore	75
17.7	Long Point station	39
20.4	Campbell Point station	25
25.0	Judique station	8
27.5	Little Judique station	6
30.5	Summit	110
32.1	Glengarry station	65
42.5	Port Hood station	65
36.3	Summit, ground 234; rail	221
37.2	Middle Bridge station	213
39.6	Southwest Mabou station	83
44.5	Mabou station	46
45.7	Mabou River, tidewater; rail	8
47.0	Mabou and Hillsboro road crossing	14
50.8	Summit	244
51.8	Glen Dhu or Alexander station	216
55.3	Black River station	204
56.0	Lake Ainslie, water	188
57.3	Summit, ground 204; rail	199
59.4	Strath Lorne station	115
64.1	Broad Cove, end of profile	52
Miles from Sydney	SYDNEY AND LOUISBURG RAILWAY	
0.0	Sydney, junction with Intercolonial Ry., Cape Breton branch, 91.1 miles from Pt. Tupper	7
	Sydney, shipping pier	42
4.0	Grand Lake station	104
6.6	Old Tank "	77
8.6	Gardener "	77
10.0	Dominion "	74
12.0	Bridgeport "	72
13.8	Glace Bay "	72
20.3	Morien junction	124
21.5	Coal washplant	60
24.5	Homeville station	94
28.0	Mira "	12
31.8	Catalone "	37
37.8	Louisburg "	54
	" shipping pier	42

SYDNEY AND LOUISBURG RAILWAY		Elevation
<i>Spur lines</i>		
	Reserve mine, 2·0 miles from Dominion station.....	172
	Hub mine, 0·8 miles from main line.....	120
	Caledonia mine, 0·75 miles from main line.....	83
	Morien station, 1·0 mile from Morien junction.....	161
<i>Trial line, abandoned</i>		
Miles from Sydney	Sydney, end of pier, grade.....	27
0·0	Summit, ground, 138 ".....	131
4·3	Depression " 97 ".....	124
5·8	Summit, ground and grade.....	202
7·3	Reserve junction.....	141
9·2	Schooner Pond junction.....	104
10·2	Summit, ground and grade.....	146
11·6	Glance Bay road.....	97
13·2	Cow Bay ".....	73
14·1	Black Brook, bed 20; grade.....	37
17·1	Mira.....	20
18·9	Summit, ground, 118; grade.....	111
21·7	Catalone Lake, grade.....	6
23·6	Summit, ground and grade.....	135
26·6	Louisburg, grade.....	28
31·2		
CANADIAN COAL AND RAILWAY CO.		
Miles from Maccan	Maccan, junction with Intercolonial Railway, 130·02 miles from Halifax.....	31
0·00	Maccan River, bed, 7; high water, 20; low water, 24; rail.....	34
0·34	Summit, ground, 218; rail.....	216
3·20	River Hebert, extraordinary high water (Oct. 18, 1887), 21; high water, 18; low water, 3; rail.....	27
7·00	River Hebert station.....	20
7·15	Summit, ground and rail.....	191
10·20	Joggins station.....	58
11·60		
NEW BRUNSWICK AND PRINCE EDWARD ISLAND RY.		
Miles from Sackville	Sackville, junction with Intercolonial Railway, 147·89 miles from Halifax.....	26
0·00	Middle Sackville station.....	26
2·28	Upper Sackville ".....	36
3·58	Midgie ".....	75
7·50	Summit, ground and rail.....	128
9·42	Brooklyn station.....	85
11·80	Summit, ground, 119; rail.....	117
14·07	Cobourg Brook, bed, 50; rail.....	61
15·60	Baie Verte station.....	10
17·70	Verte River, bed, 0; rail.....	9
17·95	Gaspereau River, bed, —4; rail.....	15
19·86	Port Elgin station.....	16
20·00	Hardy Corner ".....	57
23·90	Summit, ground and rail.....	116
26·50	Barry Brook, bed, 85; rail.....	97
27·00	Melrose station.....	101
27·20	Summit, ground and rail.....	129
28·90	Oulton station.....	72
30·56	Lanes Quarry station.....	90
32·20	Cape Tormentine wharf.....	13
35·45	Strait of Northumberland, high water, neap tide, 2·5; spring tide.....	4·5

Miles from Tidnish	CHIGNECTO MARINE TRANSPORT RAILWAY (abandoned)	Elevation
0.0	Tidnish dock, extreme high tide, 7.82; ordinary high tide, 2.82; average low water.....	—2.82
1.0	Natural surface of ground, 65.7; grade.....	20.8
3.7	" " 65.8 "	33.8
6.0	" " 16.0 "	22.2
7.0	" " 41.0 "	33.3
9.2	" " 41.6 "	26.8
10.0	" " 24.1 "	27.2
11.0	" " 43.9 "	37.8
12.0	" " 46.7 "	39.4
13.5	" " 42.7 " (summit).....	43.9
14.0	" " 22.3 "	26.8
17.0	Fort Lawrence dock, high water spring tide, 24.8; neap tide, 14.8; ordinary low water.....	18.6
	Bay of Fundy, highest tide recorded (Saxby tide, Oct. 5, 1869), range 57.64; high water at flood.....	28.82
Miles from Gibson	CANADA EASTERN RAILWAY	
0.0	Gibson wharf.....	23
1.8	Gibson, junction with Canadian Pacific Railway, Gibson branch.....	35
2.4	Marysville station.....	50
4.0	Nashwaak River, bed, 18; rail.....	41
5.5	Summit, ground, 91; rail.....	76
6.4	Penniac station.....	61
6.6	Penniac stream, bed, 20; rail.....	47
9.4	Manzer station.....	64
11.4	Nashwaak "	67
13.4	Durham "	84
13.6	Sloat Brook, bed, 51; rail.....	67
16.8	McBean Brook, bed, 82; rail.....	96
18.0	Zionville station.....	132
22.3	McCallum Brook, bed, 125; rail.....	141
22.7	Covered Bridge station.....	159
24.7	Cross Creek "	206
25.0	Cross Creek, water, 177; rail.....	194
29.5	" bed, 307; rail.....	315
29.7	Upper Cross Creek station.....	324
33.6	Summit.....	566
36.7	Clearwater station.....	485
38.7	Clearwater Brook, bed, 435; rail.....	447
41.2	Astles station.....	479
42.3	Summit.....	532
47.2	Boiestown station.....	210
47.5	Burnt Land Brook, bed, 154; rail.....	193
51.1	Ludlow station.....	151
57.1	McNamee "	133
58.8	Carroll "	200
60.5	Stream (crosses near mouth), bed, 84; rail.....	102
63.2	Doaktown station.....	101
64.0	Southwest Miramichi River, water, 72; bed, 63; rail.....	89
67.4	Blissfield station.....	226
69.7	Summit, ground, 342; rail.....	340
78.1	Upper Blackville station.....	211
84.3	Moore Brook, bed, 21; rail.....	40
87.1	Blackville, junction with Indiantown branch.....	66
108.0	Chatham junction, with Intercolonial Ry., 258.03 miles from Halifax.....	130
113.7	Nelson station.....	127
116.6	Chatham station.....	99
118.6	" wharf.....	7
Miles from Nelson Junc.	CANADA EASTERN RAILWAY—LOGGIEVILLE BRANCH	
0.0	Nelson junction.....	84
4.4	Loggieville station.....	33

Miles from Blackville	CANADA EASTERN RAILWAY--INDIANTOWN BRANCH	Elevation
0.0	Blackville, junction with main line 87.1 miles from Gibson	66
0.5	Bartholomew River, water, 45; rail	59
4.0	Summit (at post road crossing)	183
7.3	Renous River, high water, 39; low water, 24; rail	64
8.4	Indiantown Brook, water, 13; rail	32
8.5	Indiantown, junction with Indiantown branch, Intercolonial Ry.	30
Miles from Harvey Br. Junc.	ALBERT SOUTHERN RAILWAY	
0.0	Harvey Branch junction, about	8
2.4	Germantown road crossing, about	6
8.9	Turners mills, road crossing	116
11.7	Summit, ground, 438; rail	424
14.0	Cleavelands mill	227
14.7	Kenneys "	163
15.2	Fosters "	120
16.2	Alma station	24
Miles from Havelock	ELGIN AND HAVELOCK RAILWAY	
0.0	Havelock station	291
2.4	Steeves Settlement station	384
4.5	Killams Mill "	266
6.0	Wheatons Mill "	222
7.3	Fawcett Hill "	146
9.4	North River, water, 101; rail	132
9.5	Intervale station	124
12.2	Petitcodiac River, water, 79; rail	84
12.5	Petitcodiac, junction with Intercolonial Ry., St. John branch, 22.79 miles from Moncton	100
Miles from Moncton	BUCTOUCHE AND MONCTON RAILWAY	
	Moncton wharf	29
0.0	Moncton station	30
0.9	Humphrey Brook, bed, 15; rail	31
1.8	Intercolonial Railway, main line, crossing 183.50 miles from Halifax	73
3.9	Moncton waterworks reservoir, bed, 141; rail	161
7.0	Summit, ground, 256; rail	255
7.5	Irishtown station	237
10.0	Cape Breton "	129
10.2	Shediac River, bed, 97; rail	139
11.8	Scotch Settlement station	120
14.0	McDougall Brook, bed, 119; rail	147
15.0	McDougall station	195
15.5	Summit, ground and rail	239
18.2	Notre Dame station	80
18.7	Cocagne "	62
18.9	Cocagne River, water, 21; bed, 10; rail	69
21.3	Meadow Brook, bed, 99; rail	116
23.2	St. Anthony station (summit), ground, 189; rail	187
27.5	Little River "	63
27.7	Little Buctouche River (tidewater), rail	46
31.0	Buctouche River, high water, 2; rail	24.5
31.4	Buctouche station	17.5
31.8	Buctouche wharf	12.5
Miles from Norton	CENTRAL RAILWAY OF NEW BRUNSWICK	
0.0	Norton, junction with Intercolonial Ry., St. John branch, 56.50 miles from Moncton	53
0.2	Kennebecasis River, water, 34; bed, 16; rail	48
4.4	Cape Settlement station, (summit)	272
6.6	Belleisle Creek, high water, 142; bed, 133; rail	165
7.4	Belleisle station	216
9.0	Sargisson Brook, bed, 266; rail	318
12.6	Summit, ground, 554; rail	544

Miles from Norton	CENTRAL RAILWAY OF NEW BRUNSWICK	Elevation
14.0	Annandale station	524
17.0	Salmon Brook, bed, 228; rail	259
19.9	Cody Brook, bed, 40; rail	72
20.0	Washademoak station	70
20.6	Washademoak Lake, high water, 21; low water, 10; rail	36
25.4	Young Cove station	216
26.3	Summit, ground and rail	241
27.9	Young Cove Brook, bed, 142; rail	147
30.2	Wasson Brook, bed, 43; rail	54
33.4	Cumberland Creek, rail	44
83.8	Cumberland station	64
35.7	Summit, ground and rail	178
37.2	Coal Creek station	61
38.3	Coal Creek, high water, 17; water, 4; rail	25
39.0	Pennlyn station	47
42.2	Summit, ground and rail	176
44.5	Chipman station	36
44.7	Salmon River, high water, 20; water, 5; rail	26
46.0	McCallum Brook, bed, 33; rail	43
47.0	Summit, rail	79
49.1	Ironbound Cove, bed, 5; rail	36
52.6	Summit, ground and rail	180
56.6	Newcastle Brook, high water, 49; water, 44; rail	64
56.8	Newcastle station	64
58.3	O'Leary Brook, bed, 130; rail	145
59.5	End of profile	204
Miles from St. John West	SHORE LINE RAILWAY	
0.0	St. John West station	15
	Spruce Lake, water	207
	Summit near Spruce Lake, rail	225
	Peach Brook bridge, rail	117
	Musquash marshes, rail	17
	Ghost Lake road	134
	Little Lepreau River bridge, rail	81
24	Lepreau station	80
26	Shaw road crossing	117
	Shaw Brook bridge, rail	129
	Summit, rail	203
	New River bridge, rail	167
29	Road crossing near New River bridge	180
	Popologan River bridge, rail	192
	Pennfield road crossing	232
	Marsh near Little Popologan, rail	215
	" " summit, rail	228
	Summit near small pond, rail	237
	Depression, one mile east of Crow Harbour road, rail	193
	Crow Harbour road crossing	227
38	Pennfield station	228
	Woodward Lake, rail	247
	Summit just west of Woodward Lake, rail	274
41	Mineral springs, rail	217
42	Spicers mill road crossing	243
44	Lake road (Riordan) crossing	108
47	St. George station	87
	Foot of Tooke Mountain, rail	72
	Magaguadavic River bridge, rail	68
	Opposite Burpee's quarry, rail	68
53	Bonny River station	72
	Clarence Brook bridge, rail	134
	McAleenan road crossing	177
	Digdegwash River bridge, rail	109
	McMinn road crossing	225
	School house crossing	274
	Old Fredericton road crossing	301
68	Canadian Pacific Ry., St. Andrews branch, crossing	274
	West Waweig	196
	Berrys road crossing	154

Miles from St. John West	SHORE LINE RAILWAY	Elevation
77	Oak Bay station.....	100
	Post road crossing, west of Benson corner.....	68
	New road crossing, near Easton's tannery.....	75
81.5	Shore Line transfer, junction with Canadian Pacific Railway, St. Stephen branch.....	40
82.5	St. Stephen station.....	12
Miles from Richibucto	ST. LOUIS AND RICHIBUCTO RAILWAY	
0.0	Richibucto, junction with Kent Northern Railway.....	20
2.6	Little Northwest River, water, 2; rail.....	20
3.4	Little Northwest road crossing.....	32
4.0	Northwest or Aldouane River, water 4; rail.....	25
6.5	Summit, ground and rail.....	74
7.0	Palmerston station.....	67
Miles from Gloucester Jct.	CARAQUET RAILWAY	
0.0	Gloucester junction, with Intercolonial Railway, 303.03 miles from Halifax ..	109
4.2	Bathurst station.....	69
8.0	Bass River, bed, 11; rail.....	43
8.4	Bass River station.....	50
10.5	Salmon Beach ".....	45
11.8	Miller Brook, bed, 7; rail.....	32
13.6	Dempsey Brook, bed, 20; rail.....	33
14.7	Teague " " 16 ".....	34
14.9	Janeville station.....	44
16.2	Scotts Mill Brook, bed, 27; rail.....	50
17.6	Canohy road crossing.....	98
19.0	Clifton station.....	119
21.4	Stonehaven station.....	103
22.4	Summit, ground and rail.....	146
23.2	New Bandon station.....	117
25.8	Big Pokeshaw River, water, 48; bed, 42; rail.....	62
26.0	Pokeshaw station.....	62
29.0	Grand Anse ".....	79
31.8	St. Joseph " (summit).....	102
36.4	Caraquet River, bed, 18; rail.....	46
36.5	Burnsville station.....	46
42.1	Bridge-town ".....	49
43.9	Upper Caraquet station.....	50
45.4	McIntosh Brook, high water (Dec. 16, 1887), 5; rail.....	19
48.1	Caraquet station.....	81
52.8	St. Simon River, water, 3; rail.....	15
54.5	St. Simon station.....	30
60.0	Pokemouche station.....	11
66.0	Shippegan ".....	14
66.3	End of track.....	10
Miles from Inkerman	GULF SHORE RAILWAY	
0.0	Inkerman, junction with Caraquet Railway.....	15
1.1	Pokemouche River (tidewater), rail.....	11
5.0	South River, water, 2; rail.....	10
7.1	Summit, ground, 59; rail.....	55
12.0	Little Tracadie River (tidewater), rail.....	11
14.0	Tracadie station.....	17
Miles from Campbellton	RESTIGOUCHIE AND WESTERN RAILWAY	
0.0	Campbellton, junction with Intercolonial Railway, main line, 371.02 miles from Halifax.....	40
0.9	Summit.....	100
2.0	Tobique road crossing.....	129
4.6	Summit, ground, 272; rail.....	268
6.9	Glencoe road crossing.....	154
7.2	Christopher Brook, high water, 126; low water, 125; rail.....	130
8.3	Travelled road crossing.....	174
14.3	Summit, ground, 420; rail.....	416
19.7	Upsalquitch River, high water, 130; low water, 125; rail.....	151
20.0	End of profile.....	151

Miles from Fredericton	ST. JOHN VALLEY AND RIVER DU LOUP RY. (projected)	Elevation
0·0	Fredericton, Canadian Pacific Railway station.....	41
5·4	Springhill P.O., grade opposite.....	37
7·2	McIntosh Brook, bed, 20; grade.....	39
9·4	Lower French village, grade opposite.....	42
11·1	Indian village.....	36
17·4	Kelly Brook, water (St. John River) 32; bed, 24; grade.....	67
21·9	Lower Prince William village, grade.....	63
28·0	Grade opposite head of Garden Island.....	71
33·2	" Tapley bar.....	79
38·9	Hawkshaw P.O. grade.....	86
40·2	Pokiok River, bed, 63; grade.....	121
44·3	Shogomoc River, bed, 80; grade.....	95
47·4	Sullivan Creek, bed, 83; grade.....	110
50·5	Lenontine ferry road crossing, grade.....	123
52·6	Canterbury village, grade.....	122
52·9	Eel River, bed, 94; grade.....	113
60·5	Bull Creek, bed, 114; grade.....	131
65·5	Woodstock, near old station of Canadian Pacific Railway.....	175

Miles from Metapedia	ATLANTIC AND LAKE SUPERIOR RAILWAY—BATE DES CHALEURS DIVISION	Elevation
0.0	Metapedia, junction with Intercolonial Ry., 383.78 miles from Halifax.	53
4.5	Sellers Creek, water, 15; rail.	35
7.0	Riopel station.	35
9.0	Little River, high water, 14; rail.	17
9.8	Broadlands station.	36
12.9	Cross Point "	30
13.0	Little River du Loup, water, 24; rail.	30
16.2	Oak Bay station.	64
22.2	Pointe la Garde station.	49
26.7	Escumiauc "	26
26.8	Escuminac River, bed 7; rail.	23
29.8	Summit, rail.	238
32.4	Nouvelle West station.	80
33.1	Nouvelle River, bed, 48; rail.	64
35.4	Nouvelle station.	53
40.9	Stewart Brook, bed, 26; rail.	53
44.4	Carleton station.	57
48.6	Maria Capes station.	127
51.1	Gironx "	25
52.6	Maria "	35
57.8	Irishtown "	165
60.2	Grand Cascapedia River, bed, —2; rail.	37
60.5	Cascapedia station.	48
63.5	Summit, ground, 225; rail.	212
64.7	Goose Lake station.	174
67.4	New Richmond station.	53
68.0	Little Cascapedia River, bed, —3; rail.	16
71.7	Black Cape station.	80
73.2	Summit, ground, 144; rail.	124
75.7	Caplin River, bed, 33; rail.	51
76.0	Caplin River station.	54
78.4	Caplin station.	92
82.0	Ruisseau Blanc, bed, 1; rail.	55
84.8	Little Bonaventure River, bed, —2; rail.	46
85.0	Bonaventure station.	64
89.9	Bonaventure River, bed, —19; rail.	23
91.6	Cullen Brook, bed, 16; rail.	41
98.0	New Carlisle station.	9
ATLANTIC AND LAKE SUPERIOR RY.—GREAT EASTERN RY.		
Miles from Sorel	<i>Sorel to St. Francis</i>	
0.0	St. Lawrence River, at Sorel.	47
0.5	Sorel station.	49
2.5	Coal siding switch.	42
3.7	River Marais, bed, 34; rail.	37
6.8	La Plante Brook, bed, 24; rail.	42
10.5	St. Robert station.	53
10.6	Yamaska West station.	56
10.9	Yamaska River, high water, (1892) 34; water (May, 1892), 17; bed, 7; rail.	53
15.2	Yamaska East, junction with Canadian Pacific Ry., Drummondville branch (disused).	74
17.0	Stc. Anne road crossing.	81
Nicolet to St. Gregoire		
0.0	Nicolet station.	66
6.4	St. Gregoire, junction with Three Rivers branch, Grand Trunk Railway.	82
Projected Line between St. Francis and Nicolet		
0.4	River St. Francis, high water, 36; low water, 17; bed, 10; grade.	76
0.5	Pierreville village.	76
3.9	Road crossing.	72
5.7	Lemire gully, water, 35; bed, 32; grade.	67
7.1	La Bate village.	80
11.9	Road crossing (proposed station).	72
14.8	Nicolet River, high water, 35; low water, 16; bed, 8; grade.	66

Miles from Lachute	ATLANTIC AND LAKE SUPERIOR RAILWAY—OTTAWA VALLEY DIVISION	Elevation
0'00	Lachute, junction with Canadian Pacific Ry., main line, 44'0 miles from Montreal	220
4'11	Road crossing	204
6'67	St. Andrews station	103
Miles from Riv. du Loup	TEMISCOUATA RAILWAY	
	River du Loup, junction with Intercolonial Railway, main line, 559'39 miles from Halifax	316'7
0'00	Junction switch	325
0'46	River du Loup, high water, 309; low water, 302; rail	317
3'00	Temiscouata road crossing	355
4'73	Green River, high water, 408; rail	421
6'73	St. Modeste station	545
9'81	Riv. des Roches, bed, 735; rail	756
15'35	Summit, ground, 900; rail	893
15'91	St. Francois station	884
16'81	St. Francis River, water, 858; bed, 856; rail	886
17'18	Tache road crossing, rail	908
24'00	Summit, ground, 1327; rail	1,324
26'65	St. Honoré station	1,302
32'63	Road crossing	1,030
33'50	Summit, at road crossing, ground 1,072; rail	1,067
37'40	St. Louis de Ha-Ha station	823
40'25	Little River, bed, 640; rail	650
42'70	Port Ingalls station	561
43'74	Cabano River, bed, 476; rail	496
50'45	Notre Dame du Lac station	517
	Temiscouata Lake, ordinary water	482
60'30	Ste. Rose station	504
64'00	Otterburn "	505
69'11	Boundary between Quebec and New Brunswick	497
72'90	St. Jacques station	478
78'50	Madawaska River, water, 459; rail	480
80'91	Edmundston, junction with Canadian Pacific Ry., Edmundston branch	474
Miles from Edmundston	TEMISCOUATA RAILWAY—ST. FRANCIS BRANCH	
0'0	Edmundston, junction with main line	474
0'6	Madawaska River, bed, 433; rail	470
3'6	Three-mile Brook, bed, 461; rail	492
6'8	Six-mile Brook, bed, 493; rail	513
8'1	St. Hilaire station	508
13'5	Baker Brook, low water, 474; rail	492
13'7	Baker siding	492
17'5	Caron Brook, bed, 489; rail	498
20'3	Clair station	540
22'5	Levasseur Brook, bed, 501; rail	516
25'0	"The Ledges"	532
27'7	Little River, bed, 513; rail	524
31'6	Connors station	569
Miles from Lennoxville	BOSTON AND MAINE RAILROAD	
0'0	Lennoxville, junction with Grand Trunk Ry., 101'10 miles from Montreal	499
5'0	Capelon station	493
	Eustis "	490
10'0	North Hatley station	538
	Massawippi "	536
18'0	Ayers Flats "	554
24'0	Libbys Mills "	559
28'0	Smiths Mills "	613
31'0	Stanstead junction	748
	North Derby station (International boundary)	710

Miles from Sherbrooke	QUEBEC CENTRAL RAILWAY—MAIN LINE	Elevation
0·0	Sherbrooke, junction with Grand Trunk Ry., 104·2 miles from Montreal.	485
0·9	St. Francis River, water, (April 29, 1889) 473; rail.	508
1·3	Newington station.	527
7·7	Moulton Hill summit.	710
10·4	Ascot station.	631
11·8	Sund Hill summit.	678
13·7	Westbury station.	659
14·6	Westbury tank.	647
16·8	East Angus station.	674
19·8	Busin.	695
22·4	Everett siding.	790
25·5	Dudswell junction, with Maine Central R. R.	697
26·1	Dudswell station.	686
27·1	Marbleton bridge, bed, 661; rail.	671
27·6	Marbleton station.	684
32·2	Frechette Mill station.	760
35·3	Weedon grade, summit.	882
36·9	Weedon station.	815
38·8	Duck Brook, high water, 805; bed, 790; rail.	809
40·1	Weedon tank.	814
41·4	Lake Weedon station.	839
45·5	Garthby bridge, high water, 816; bed, 805; rail.	820
47·4	Garthby station.	825
49·5	Lake Aylmer, high water.	816
49·8	Moose Bay.	822
52·4	D'Israeli bridge, high water, 817; bed, 820; rail.	829
52·7	D'Israeli station.	829
57·6	Coleraine "	869
63·4	Black Lake "	940
67·5	Thetford "	1,026
69·3	Thetford bridge, bed, 1,043; rail.	1,063
73·5	Robertson station.	1,205
77·3	Broughton tank.	1,141
78·4	Broughton station.	1,106
82·9	Summit.	1,251
83·6	East Broughton station.	1,224
84·5	Tring "	1,135
89·4	River des Fermes, bed, 1,037; rail.	1,053
90·6	Tring and Megantic junction, with Tring and Megantic branch.	1,050
92·3	St. Frederic station.	883
98·6	Chaudière River, high water, 486; bed, 455; rail.	491
98·7	Beauce junction, with St. Francis branch.	491
99·2	Beauce tank.	487
104·6	St. Mary station.	479
110·3	Scott "	475
116·3	Ste. Henedine station.	646
117·0	Summit.	656
120·7	River Etchemin, high water, 503; low water, 486; rail.	524
121·8	St. Anselme station.	506
124·0	Summit.	536
129·0	St. Henryville station.	292
132·0	St. Henry, junction with Intercolonial Ry., Chaudière branch.	297
137·8	Harlaka, junction with Intercolonial Railway, main line, 689·30 miles from Halifax.	235
140·9	St. Joseph de Lévis station.	162
142·4	Lévis station.	15
Miles from Beauce	QUEBEC CENTRAL RAILWAY—ST. FRANCIS BRANCH	
0·0	Beauce junction, with main line, 98·7 miles from Sherbrooke.	491
1·3	Temps Perdu, high water, Chaudière River, 486; rail.	480
4·7	St. Joseph station.	490
9·3	Colway Brook, bed, 470; high water, 492; rail.	489
10·0	Dos Plantes station.	489
10·4	La Plante River, bed, 479; high water, 493; rail.	489
11·0	Le Rocher station.	494
11·0	Le Rocher Brook, high water, 494; rail.	494
14·5	St. Francis station.	557

Miles from Tring and Megantic Jct.	QUEBEC CENTRAL RY.—TRING AND MEGANTIC BRANCH	Elevation
0.0	Tring and Megantic junction, with main line, 90.6 miles from Sherbrooke....	1,050
1.3	Summit.....	1,083
3.8	River des Ormes, bed, 996; rail.....	1,009
6.0	Brook, bed, 908; rail.....	920
7.3	Brook, water, 799; rail.....	819
8.6	Road crossing.....	783
10.0	Le Bras River, high water, 699; water, (June, 1891); 694; rail.....	715
10.3	St. Victor de Tring station.....	722
12.6	Brook, bed, 692; rail.....	710
14.0	Le Bras River, high water.....	708
16.1	" " 711; water, (June, 1891) 705; rail.....	719
16.5	St. Ephrem station.....	729
19.3	Road crossing.....	818
19.7	Brook, bed, 824; rail.....	832
24.3	St. Evariste station.....	990
25.4	Road crossing.....	1,021
29.0	Cosselin Brook, bed, 1,100; rail.....	1,108
30.0	Summit.....	1,128
32.3	Lambton station.....	1,046
32.5	East Branch Blueberry River, water, 1,017; rail.....	1,051
32.7	Bluet River, water, 1,019; rail.....	1,055
36.5	Blueberry River, high water, 1,260; rail.....	1,246
42.0	Road crossing.....	1,537
43.0	Savage River, water above dam, 1,545; rail.....	1,562
45.3	Summit, ground, 1,701; rail.....	1,686
49.7	Ste. Cecile station.....	1,667
53.0	Road crossing.....	1,511
54.5	Moose River, extreme high water, 1,354; bed, 1,348; rail.....	1,408
60.2	Megantic, junction with 'Short line' Canadian Pacific Ry., 306.0 miles from St. John.....	1,314
	Lake Megantic, extreme high water.....	1,393
Miles from Dudswell Jct.	MAINE CENTRAL RAILROAD	
0.00	Dudswell junction, with Quebec Central Ry., main line, 25.5 miles from Sher- brooke.....	697
3.15	St. Francis River, water, 643; rail.....	665
4.83	Brookbury station.....	716
5.10	Salmon Brook, water, 705; rail.....	717
7.52	Summit, rail.....	802
9.78	Gravel pit, rail.....	775
11.85	Eaton River, water, 650; rail.....	665
12.25	Canadian Pacific Ry. 'Short line' crossing, 353.0 miles from St. John.....	676
12.45	Cookshire station.....	679
16.85	Eaton Corner station.....	809
17.83	Sawyer Brook, bed, 789; rail.....	837
19.67	Sawyer's station.....	884
24.90	Clifton River, bed, 937; rail.....	951
25.67	Clifton station.....	1,121
27.27	Doncaster ".....	1,244
30.64	St. Mulo ".....	1,501
31.91	Summit.....	1,585
32.91	Aukland station.....	1,532
34.42	Melvina ".....	1,442
37.43	Hall Stream, bed, 1,347; rail.....	1,358
38.02	" " 1,311; ".....	1,322
39.00	Paquetteville station.....	1,201
42.77	East Hereford siding (gravel pit).....	1,164
43.31	Hall Stream, bed, 1,129; rail.....	1,138
44.06	" " 1,114; ".....	1,124
44.27	East Hereford station.....	1,117
48.25	Hereford station.....	1,085
48.43	International boundary, rail.....	1,089
Miles from Lyster	LOTBINIERE AND MEGANTIC RAILWAY	
0.0	Lyster village, 2.7 miles from station.....	463
	Lyster, junction with Grand Trunk Ry., Quebec branch, 135.97 miles from Montreal.....	446

Miles from Noyan	QUEBEC SOUTHERN RAILWAY	Elevation
0.0	Noyan, junction with Canada Atlantic Ry., 7.7 miles from Alburgh junction.	123
3.5	Clarenceville station.	122
7.3	River du Sud, water, 96; rail.	105
10.2	Henryville station.	116
11.5	Summit, ground and rail.	147
15.2	Sabrevois station.	123
19.6	Barbotte River, bed, 95; rail.	109
21.7	Iberville, junction with Central Vermont R. R.	103
22.5	Iberville junction, with Canadian Pacific Ry., 'Short line,' 450.3 miles from St. John.	115
25.3	Stream, bed, 117; rail.	130
27.1	St. Grégoire station.	155
29.4	Iberville and Rouville county-line.	135
31.6	Montreal, Portland and Boston Ry. (Central Vermont R.R.) crossing.	133
32.3	St. Angele station.	137
33.2	Summit.	161
35.7	Central Vermont R. R., St. Césaire branch crossing.	144
36.3	Rougemont station.	154
39.3	Caroline "	121
43.8	St. Damase "	112
45.6	Argenteuil "	113
47.5	Sts. Madeleine "	113
51.8	St. Hyacinthe "	117
60.0	St. Barnabé "	121
64.3	St. Jude "	100
64.4	River Salvaile, water, 44; rail.	100
68.2	Richelieu and St. Hyacinthe county-line, road crossing.	108
70.0	St. Louis station.	103
74.5	St. Aimé "	90
79.5	St. Robert "	71
82.6	La Plante Brook, water, 41; bed, 38; rail.	51
84.2	River Marais, water, 32; rail.	37
87.8	Sorel station.	31
	River St. Lawrence, at Sorel, extreme high water (1865) 32.3; low water.	13.3
Miles from Adirondack	NEW YORK CENTRAL RAILROAD—ADIRONDACK DIVISION	
0.0	Adirondack junction, with Canadian Pacific Ry., 'Short line,' 472.0 miles from St. John.	98.6
5.3	Chateauguay River, low water, 68.5; high water, 78.2; rail.	86
5.5	Chateauguay station.	85
6.2	River St. John, high water, 79; low water, 70; rail.	83
7.5	Woodlands station.	103
9.5	Bellevue "	98
13.6	Beauharnois "	132
21.0	St. Timothée "	174
24.3	Sts. Cecile, junction with Canada Atlantic Ry., 48.4 miles from Alburgh Junc.	150
26.4	Valleyfield station.	159
31.8	St. Stanislas "	157
34.0	New Erin "	174
38.5	Huntingdon "	167
38.6	Grand Trunk Ry., Massena Springs branch, crossing.	167
40.0	Trout Creek, bed, 139; rail.	165
42.3	Athelstan station.	172
47.2	International boundary.	296
Miles from St. Lambert	SOUTH SHORE RAILWAY	
0.0	St. Lambert, junction with Grand Trunk Ry., 6.32 miles from Montreal.	74.7
2.30	Central Vermont R. R. crossing.	54
2.94	Longueuil station.	55
8.70	Boucherville "	41
12.87	River St. Charles, bed, 30; rail.	49
13.68	Varennas station.	49
21.25	Verchères "	63
29.25	Contrecoeur "	65
33.80	St. Roch "	55
36.20	Lanoraie "	81
44.56	Sorel West "	30

Miles from Quebec	QUEBEC AND LAKE ST. JOHN RAILWAY	Elevation
0.0	Quebec station	18
0.3	River St. Charles, high water, 9.5; low water, 7.5; rail	24
0.5	Hedleyville, junction with Quebec, Montmorency and Charlevoix Ry	17
1.2	Beauport Road station	26
3.4	Charlesbourg	118
5.9	Charlesbourg West station	242
6.8	River des Mères, bed, 327; rail	347
8.5	Indian Lorette station	452
8.7	River St. Charles, bed, 444; rail	460
12.4	Road crossing, White-house trestle, rail	538
14.2	Valcartier station	556
15.8	Summit, rail	581
17.2	Jacques Cartier River, bed, 489; rail	556
17.6	St. Gabriel station	581
22.2	Sts. Catherine	547
23.9	Lake St. Joseph station	534
24.0	Lake St. Joseph brook, bed, 514; rail	534
26.0	Summit, ground 636; rail	632
26.7	Road crossing	587
28.3	Stream into L. Sergeant, water, 515; rail	526
28.8	Lake Sergeant station	530
31.0	Portneuf River, bed, 489; rail	513
31.3	Bourg Louis station	516
31.8	Summit, rail	521
35.4	St. Raymond station	452
36.0	River Ste. Anne, high water, 441; low water, 428; bed, 424; rail	446
38.0	Summit, ground and rail	562
41.6	River Rondeau, water, 473; bed, 466; rail	490
42.3	Allens Mills station	564
44.1	Jacquot River, water, 551; bed, 446; rail	561
48.5	Lac Simon siding (summit)	832
	Lac Simon water	581
51.4	Rivière Noir, water, 631; rail	643
51.5	Perthuis station	651
54.5	Black River siding (summit)	899
57.6	River Pierre junction, with Great Northern Ry	706
57.8	River Pierre water, 691; rail	698
61.1	Northwest Branch River, water, 733; rail	741
64.7	Tallot station	970
65.5	Summit, rail	978
70.0	Laurentides station	712
76.0	Megvic	837
76.4	Megvic River, water, 818; rail	832
86.1	Beaudet station	882
87.5	Batiscan River, water, 959; bed, 946; rail	981
93.9	Lake aux Rognons River, bed, 1,193; rail	1,202
94.0	Stadacona station	1,204
97.4	Summit, ground, 1,253; rail	1,245
102.1	Pearl Lake station	1,132
102.4	Pearl Lake, water	1,125
107.0	'Beaver Pond' summit, ground, 1,215; rail	1,214
108.0	Triton Club station	1,172
108.2	North Branch Batiscan River, high water, 1,146; low water, 1,139; bed, 1,136; rail	1,165
110.6	Northeast Branch Batiscan River, 'falls crossing,' water, 1,186; bed, 1,178; rail	1,189
112.9	Lake Edward station	1,195
113.1	Horn Creek, water, 1,187; bed, 1,182; rail	1,195
114.2	Lake Edward, water	1,186
119.0	Caribou Lake, water	1,292
122.5	Summit, between Batiscan and St. Maurice waters, ground, 1,463; rail	1,457
123.5	Mirror Lake, water	1,423
125.0	Lake Edward summit siding (highest point on the line), rail	1,435
134.8	Kiskisink station	1,306
134.8	Kiskisink River, high water, 1,301; low water, 1,299; rail	1,307
135.8	Cedar Lake, water	1,280
138.7	Summit, between St. Maurice and Lake St. John waters, ground and rail	1,431
140.3	Joseph River, bed, 1,389; rail	1,397
143.2	Joseph Louis River, bed, 1,353; rail	1,364
146.7	Lake Quaquakamaksis, water, 1,307; rail	1,310

Miles from Quebec	QUEBEC AND LAKE ST. JOHN RAILWAY	Elevation
147.3	Summit, ground, 1,332; rail.....	1,330
150.5	Lac Gros Visons, water.....	1,280
150.7	Noisy River, bed, 1,268; rail.....	1,275
151.1	Commissioner Lake station.....	1,275
160.6	Lake Bonchetto ".....	1,136
160.6	Noisy River, bed, 1,126; rail.....	1,137
161.5	Lake Ouatchouan, water.....	1,017
164.2	Dablon station.....	980
165.0	O'Donnell siding.....	984
170.2	De Quen station.....	834
171.0	Lac à Bellay, water.....	815
177.1	Chambord, junction with Chicoutimi branch.....	550
183.7	Ouatchouan River, bed, 322; rail.....	344
184.3	Ouatchouan Falls station.....	346
189.3	Roberval station.....	352
	Lake St. John, high water, 341; low water.....	314
	Pointe aux Trembles church.....	452
Miles from Quebec	QUEBEC AND LAKE ST. JOHN RY.—CHICOUTIMI BRANCH	
177.1	Chambord, junction with main line.....	550
182.2	Metabetchouan River, high water, 335; low water, 312; rail.....	359
182.6	Metabetchouan station.....	373
184.8	Summit, ground, 428; rail.....	425
185.4	St. Jérôme station.....	357
187.0	River Kooshepeganish, low water, 320; bed, 318; rail.....	344
188.4	Summit, ground, 405; rail.....	392
192.0	Belle River, high water, 337; low water, 317; bed, 312; rail.....	350
192.1	St. Gédéon station.....	353
198.8	River Bécard, water, 492; bed, 479; rail.....	522
199.0	Hebertville station.....	515
205.7	River Dorval, bed, 515; rail.....	523
208.8	Summit, rail.....	550
209.1	River Brière, bed, 532; rail.....	542
210.0	Kenogami station.....	546
211.0	Lake Brière, water.....	578
211.5	Summit, ground and rail.....	596
212.8	Lake des Chasseurs, water.....	533
218.0	River aux Sables, high water, 452; low water, 447; bed, 438; rail.....	480
218.1	Jonquière station.....	484
221.4	River Deschênes, bed, 342; rail.....	368
227.0	Chicoutimi River, water, 34; rail.....	89
228.5	Chicoutimi station.....	19
	Saguenay River, flood of 1886, 16' 2; ordinary high water, spring tides, 10' 5; ordinary low water, spring tides—10' 5; ordinary low water, neap tides...	--8' 6
Miles from Quebec	QUEBEC, MONTMORENCY AND CHARLEVOIX RAILWAY	
0.0	Quebec, junction with Quebec and Lake St. John Ry.....	18
0.6	St. Roch Nord station.....	17
2.6	Beauport ".....	22
5.8	Montmorency ".....	18
6.6	Montmorency River, water 11; rail.....	18
9.6	Ange Gardien station.....	17
15.5	Chateau Richer ".....	17
20.5	Ste. Anne de Beaupré station.....	17
22.9	River Ste. Anne, bed, 3; rail.....	18
25.2	St. Joachim station.....	26
Miles from River Pierre	GREAT NORTHERN RAILWAY	
0.0	River Pierre junction, with Quebec and Lake St. John Ry.....	706
3.1	River Pierre, water, 642; bed, 636; rail.....	652
5.2	Summit, ground, 737; rail.....	725
6.4	Discharge of Caribou Lake, water, 608; bed, 604; rail.....	612
6.6	Lake Caribou station.....	611
8.9	L'Etoile ".....	513
9.7	Batiscan River, high water, 475; bed, 457; rail.....	487
12.1	Notre Dame des Anges station.....	551
14.3	Summit, ground, 636; rail.....	625

Miles from River Pierre	GREAT NORTHERN RAILWAY	Elevation
16.7	Lake aux Sables station	514
18.1	River Propre, bed, 490; rail	521
20.9	River Tawachiche, bed, 529; rail	554
22.0	Reids Camp station	597
24.2	Road crossing	462
25.2	St. Thecle station	510
30.4	Summit, ground and rail	543
32.7	St. Tite station	465
33.3	River des Envies, bed, 421; rail	467
34.8	Lower Laurentian junction	494
36.9	St. Tite junction, with Piles branch, Canadian Pacific Railway	504
40.0	Garneau, junction with Piles branch, Canadian Pacific Ry., 23.8 miles from Three Rivers	448
43.0	River St. Maurice, high water, 309; low water, 290; rail	333
45.2	Road crossing	454
47.2	Shawenigan junction, with Shawenigan Falls branch	460
49.8	Shawenigan Falls station	297
51.4	Terminus of Shawenigan Falls branch	270
48.3	Shawenigan River, water, 381; bed, 371; rail	463
48.8	Road crossing	473
55.5	St. Boniface station	410
57.7	East Branch Yamachiche River, bed, 288; rail	369
59.5	Road crossing	387
60.7	West Branch Yamachiche River, high water, 355; low water, 346; rail	388
62.8	Charette Mill station	403
64.9	River du Loup, water, 357; rail	484
67.2	Summit, ground, 555; rail	551
67.8	St. Paulin station	537
71.2	Range Lemay road crossing	429
75.5	St. Ursule station	360
76.1	Maskinonge River, bed, 137; rail	308
77.4	Road crossing	267
78.5	St. Justin station	250
80.0	Mill-pond, bed, 167; rail	190
81.3	River Cachée, water, 142; bed, 140; rail	177
82.5	St. Barthelemy station	178
82.9	Stream, bed, 156; rail	180
86.9	River Chicot, high water, 143; low water, 138; bed, 136; rail	193
88.1	St. Cuthbert station	197
90.6	Bonaventure River, water, 144; bed, 142; rail	177
90.8	St. Norbert station	181
92.8	St. Pierre siding	176
95.0	Bayonne River, high water, 161; low water, 150; bed, 147; rail	177
95.1	St. Elizabeth station	177
98.1	River Chaloupe, water, 168; bed, 164; rail	181
100.7	Joliette junction, with Joliette branch, Canadian Pacific Ry	208
101.5	L'Assomption River, water, 185; bed, 174; rail	204
101.6	Joliette station	204
107.3	Rouge river, bed, 173; rail	211
108.5	Montcalm station	231
108.9	Ouareau River, high water, 194; low water, 189; rail	224
111.5	St. Jacques station	264
113.5	St. Alexis " (closed)	275
116.1	St. Julien "	273
116.3	River St. Esprit, bed, 239; rail	269
117.3	La Fourche station (closed)	255
117.4	Branch of River St. Esprit, bed, 239; rail	255
119.1	Road crossing	293
120.3	St. Lin station	238
120.4	Little River, bed, 215; rail	232
127.0	New Glasgow station	240
127.1	L'Achigan River, water, 231; bed, 228; rail	245
129.3	St. Sophie station	251
129.5	River Jordan, water, 244; bed, 238; rail	252
133.8	St. Jérôme junction, with St. Jérôme branch	263

Miles from River Pierre	GREAT NORTHERN RAILWAY	Elevation
135.5	St. Jérôme, junction with Canadian Pacific Ry., St. Jérôme Br., 13.6 miles from Ste. Therese.....	292
134.2	Brook, high water, 229; low water, 224; rail.....	247
134.7	Canadian Pacific Ry., St. Jérôme branch, crossing.....	247
135.9	North River, high water (1899).....	214
139.4	St. Canut station.....	233
140.4	North River, high water (1899).....	210
153.2	Lachute station.....	208
153.5	North River, high water (1899), 205; bed, 177; rail.....	213
156.1	Lachute junction, with Canadian Pacific Ry., main line.....	250
157.8	Summit.....	256
158.7	St. Phillippe station.....	247
166.5	Grenville.....	176
166.7	Ottawa River, high water, 130; extreme low water, 123; rail.....	176
168.3	Hawkesbury, junction with Canada Atlantic Ry., Hawkesbury branch.....	165
Miles from Montfort Jct.	MONTFORT COLONIZATION RAILWAY	
	NOTE.—The reduced levels of this road are of very doubtful accuracy, as the levels of the section west of the tenth mile, could not be correlated with those to the east of it.	
0.0	Montfort junction, with St. Jérôme branch, Canadian Pacific Ry.....	528
0.1	River du Nord, bed, 509; rail.....	528
4.3	Summit.....	770
6.9	Cimon River, bed, 679; rail.....	688
11.9	Lac Chevreuil, water, 1,053; grade.....	1,059
13.2	Montfort station (summit).....	1,204
14.3	Lake Francois Xavier, water, 1,185; rail.....	1,190
15.0	Summit, natural surface, 1,331; rail.....	1,320
16.6	Stream, bed, 1,212; rail.....	1,217
17.3	Summit, ground, 1,269; rail.....	1,267
21.5	Sixteen-island Lake, water, 861; rail.....	867
22.3	Summit, ground, 975; rail.....	961
23.1	Pine Lake, water, 918; rail.....	924
26.8	Pike Creek, water, 546; rail.....	556
29.4	Bevan Creek, water, 540 " ".....	557
31.1	" " " " " " " ".....	562
	Another profile diverging from above line near the 22nd mile gives:—	
24.0	Trout Creek, water, 802; grade.....	813
26.6	Pike Creek, " 539 " ".....	571
27.0	Round Lake " 530 " ".....	566
32.1	River Rouge, water, 565; bed, 555; grade.....	584
Miles from Hull	HULL ELECTRIC RAILWAY	
0.0	Hull, Canadian Pacific Ry. station.....	189
5.1	Deschênes station.....	204
7.6	Aylmer " ".....	219
Miles from Hull	OTTAWA AND GATINEAU RAILWAY	
0.0	Hull, junction with Canadian Pacific Ry. main line, 118.3 miles from Montreal	189
3.1	Ironside station.....	182
3.8	Stream, bed 134; rail.....	194
6.5	Chelsea station.....	365
7.0	Summit, rail.....	395
8.7	Depression, rail.....	288
10.3	Kirks Ferry station.....	294
10.7	Bay of Gatineau River, water, 286; rail.....	296
12.8	Summit, ground, 365; rail.....	363
14.0	Cascades station.....	304
15.8	Patterson Creek, water, 305; rail.....	317
19.0	Rockhurst station.....	327
19.5	Peche River, water, 306; rail.....	328
19.8	Wakefield station.....	326
22.2	Indian Creek, water, 318; rail.....	333
23.0	North Wakefield station.....	337
25.7	Bay of Gatineau River, water, 322; rail.....	341
28.1	Farrellton station.....	345

Miles from Hull	OTTAWA AND GATINEAU RAILWAY	Elevation
31.5	Brennan station.....	365
31.7	McGoey Brook, water, 327; rail.....	360
32.6	Stag Creek, bed, 320; rail.....	345
33.4	Low station.....	415
34.7	Brook, water, 407; rail.....	446
35.8	Summit, ground, 545; rail.....	530
37.2	Ryan Creek, water, 443; rail.....	469
39.6	Venosta station.....	534
44.9	Kazabazua Creek, bed, 517; rail.....	561
45.0	Kazabazua station.....	571
45.3	Summit, ground and rail.....	599
47.1	Aylwin station.....	493
51.5	Marks Crossing station.....	595
53.6	Brook, water, 507; rail.....	515
55.9	Pickanock River, water 480; bed, 469; rail.....	509
57.6	Gracefield station.....	507
<i>Proposed Extension</i>		
60.6	Summit, ground, 617; rail.....	612
63.1	Castor Creek, bed, 571; rail.....	575
67.0	Blue Sea Lake, high water, 537; water, (March, 1895), 533; rail.....	549
70.0	Station ground.....	571
71.3	Summit, ground, 644; rail.....	632
73.0	Brook, bed, 574; rail.....	582
74.3	Station ground.....	558
75.5	Brook, bed, 564; rail.....	585
80.6	Desert, station ground.....	561
<i>Miles from Ottawa</i>		
0.0	PONTIAC PACIFIC JUNCTION RAILWAY	
0.4	Ottawa, Central station.....	212
1.7	Ottawa River, highest water recorded, (May, 1896), 149.5; high water, (May 8, 1899), 145.5; lowest water recorded, (Sept. 28, 1881), 124.6; average low water, 128.3; bottom of bridge, 181.4; base of rail.....	189.7
7.2	Hull station.....	163
7.8	Deschênes station.....	198
9.8	Aylmer.....	217
11.0	Brook, water, 216; rail.....	224
17.4	Breckenridge Creek, water, 201; rail.....	214
17.5	Breckenridge station.....	215
19.2	Ferris Creek, water, 201; rail.....	212
20.8	Tremblay Creek, water, 204; rail.....	211
23.3	Eardley station.....	215
25.1	Parker crossing.....	232
28.8	Mohr Creek, water, 214; rail.....	226
29.0	Mohr station.....	226
32.9	Quio.....	275
33.6	Quio River, high water, 242; low water, 239; bed, 234; rail.....	282
35.9	Bristol Mines junction.....	393
40.1	Bristol Mines, end of spur.....	314
36.0	Wyman station.....	394
39.4	Tank, bed of stream, 450; rail.....	468
40.1	Bristol station.....	477
42.8	McKee.....	521
46.6	Shawville.....	527
47.6	Summit, ground, 614; rail.....	610
50.9	Clark station.....	588
55.0	Clark Creek, bed, 491; rail.....	503
57.0	Stevenson Creek, high water, (1878), 351; ordinary high water, 349; low water, 339; rail.....	354
57.8	Campbell Bay station.....	361
61.5	Franktown Creek, bed, 355; rail.....	363
62.3	Vinton station.....	367
64.3	Bernard Creek, high water, 358; low water, 350; rail.....	371
60.1	Coulouge station.....	361
70.9	Coulouge River, extreme high water, 353.5; ordinary high water, 349.5; low water (October, 1880), 338.5; rail.....	366
76.6	Mellon station.....	365
80.4	Waltham.....	367
80.7	Ottawa River at Waltham, ordinary high water, 353; low water (Sept. 30, 1887).....	340
91		

Miles from Alburgh Jct.	CANADA ATLANTIC RAILWAY--MAIN LINE	Elevation
0.0	Alburgh junction, Vt. with Central Vermont R. R.	124
0.2	Lake Champlain, high water (May 4, 1869) 102.7; low water, 93.93; mean water (1871-1895).	96.12
1.5	Alburgh Springs, Vt., station.	147
3.3	International boundary.	147
7.7	Noyan, junction with Quebec Southern Ry.	123
9.1	Richelieu River, high water, 102.6; low water, 93.9; rail.	106
9.5	Lacolle junction, with Grand Trunk Ry., Rouse Point branch, 44.22 miles from Montreal.	131
11.0	Lacolle station.	152
12.5	Lacolle River, water, 158; bed, 155; rail.	167
14.6	Honrysburg station.	205
19.0	Summit, ground, 234; rail.	232
20.0	Chambly River, bed, 172; rail.	183
21.0	Johnson station.	192
21.2	Grand Trunk Ry., Hemmingford branch, crossing.	190
22.6	Norton Brook, water, 172; bed, 171; rail.	179
23.9	Cranberry Brook, bed, 172; rail.	179
26.6	Holton station (closed).	190
27.1	Summit, ground, 208; rail.	204
31.0	Norton Brook, high water, 129; low water, 124; rail.	141
31.2	Aubrey station.	141
35.5	English River, extreme high water, 127; ordinary high water, 125; mean water, 121; extreme low water, 119; rail.	130
36.5	Howick, junction with Grand Trunk Ry., Massena Springs Br., 39.80 miles from Montreal.	132.6
38.0	Chateauguay River, extreme high water, 128; ordinary high water, 123; rail.	131
42.3	St. Louis station.	136
42.6	St. Louis River, water 130; bed 124; rail.	136
48.4	Cocile, junction with New York Central R.R.	150
49.2	Beauharnois Canal, water, 150; rail.	156
50.9	Valleyfield station.	1
54.0	River St. Lawrence, steamboat channel, high water, 154.86; standard low water, 152.42; extreme low water (Nov. 5, 1895) 150.80; rail.	175.31
56.8	Coteau, junction with Grand Trunk Ry., main line, 37.66 miles from Montreal.	160.2
57.7	River Delisle, water, 155; bed, 148; rail.	163
60.6	St. Polycarpe station.	176
62.9	St. Polycarpe junction, with Canadian Pacific Ry., Ont. and Que. Div., 40.1 miles from Montreal.	191
67.7	Ste. Justine station.	244
69.5	Interprovincial boundary, Ontario and Quebec.	244
72.3	Glen Robertson, junction with Hawkesbury branch.	261
77.6	River Delisle, water, 222; bed, 220; rail.	233
78.9	River Garry, bed, 238; rail.	252
79.8	Alexandria station.	256
81.2	River Delisle, water, 247; bed, 243; rail.	259
86.5	Greenfield station.	343
89.3	Summit.	382
91.2	Maxville station.	335
97.1	Moose Creek station.	288
104.5	Casselman.	208
104.6	South Nation River, high water, 188; low water, 181; bed, 178; rail.	208
105.2	Casselman, old station.	216
107.8	South Indian Brook, bed, 197; rail.	217
112.7	South Indian, junction with Rockland branch.	232
117.6	Bearbrook station.	249
119.0	Summit, ground, 257; rail.	254
123.7	Eastmans station.	225
124.6	Stream, bed, 222; rail.	226
129.0	Greens Creek, water, 214; rail.	219
133.2	Canadian Pacific Ry., Prescott branch, crossing.	197
133.4	Rideau River, water, 181; bed, 176; rail.	194
135.2	Ottawa, Central station.	212
134.6	" Elgin street.	222
135.7	Chaudières junction.	206
136.0	Canadian Pacific Ry., Prescott branch, crossing, Can. Pac. Ry., rail, 207; Can. Atl. Ry., rail.	229
139.3	Summit, rail.	279
141.5	Richmond road crossing.	225

Miles from Alburgh Jet.	CANADA ATLANTIC RAILWAY—MAIN LINE	Elevation
142.2	Canadian Pacific Ry. crossing, Can. Pac. Ry. rail, 222; Can. Atl. Ry. rail...	244
145.7	Brook, bed, 235; rail.....	245
147.3	South March station.....	285
153.3	Carp station.....	311
153.8	Carp Brook, water, 302; rail.....	312
161.7	Kinburn station.....	314
164.2	Summit, ground, 337; rail.....	330
166.0	Mississippi River, water, 272; rail.....	292
166.3	Galetta station.....	295
168.3	Marshall Bay station.....	312
170.9	Madawaska River, water, 256; bed, 253; rail.....	294
171.3	Arnprior station.....	302
171.4	Canadian Pacific Ry., main line, crossing, 171.7 miles from Montreal.....	302
176.4	Dochert Brook, bed, 371; rail.....	305
179.0	Glasgow station.....	415
182.0	Summit, ground, 505; rail.....	500
182.8	Goshen station.....	497
187.7	Renfrew ".....	427
188.8	Renfrew junction, with Kingston & Pembroke Ry.....	404
190.5	Cardiff Brook, bed 364; rail.....	396*
193.9	Admaston station.....	412*
199.6	Douglas ".....	493*
202.6	Caldwell ".....	546*
206.1	Summit, ground, 597; rail.....	592*
209.9	Eganville station.....	574
210.4	Hurd Brook, water, 570; rail.....	583
217.8	Golden Lake junction, with Pembroke branch.....	595
218.4	Golden Lake, water (Oct. 3, 1900).....	500
226.7	Killaloe station.....	601
226.8	Brennan Brook, water, 593; rail.....	602
234.8	Wilno station.....	961
236.8	Summit, "Hagarty pass," ground, 1,029; rail.....	1,026
238.8	Brook, bed, 989; rail.....	993
241.5	Barrys Bay station.....	988
	Lake Kamaniskeg, water (Oct. 2, 1900).....	931
245.7	Otter Lake, water, 1,025; rail.....	1,030
246.1	Carson Lake, water, 996; rail.....	1,012
249.6	Summit, ground, 1,206; rail.....	1,184
250.7	Aylen Lake station.....	1,162
253.2	Gun Lake, water, 1,166; rail.....	1,182
253.5	Gun Lake Brook, bed, 1,166; rail.....	1,171
256.2	Opeongo River, water, 1,069; rail.....	1,080
262.1	Madawaska River, water, 1,014; rail.....	1,031
262.3	Madawaska station.....	1,035
266.2	Egan Estate ".....	1,093
267.0	Macaulay Central junction, with Macaulay Central branch.....	1,053
268.3	Bay of Madawaska River, bed, 1,039; rail.....	1,052
270.4	L'Amable Brook, water, 1,119; rail.....	1,134
270.6	L'Amable station.....	1,127
272.2	Madawaska River, water, 1,177; rail.....	1,188
277.3	Rapid Lake, water, 1,239; rail.....	1,248
278.3	Whitney station.....	1,262
279.7	Long Lake, water, 1,281; rail.....	1,290
281.3	Summit, ground, 300 ft. east, 1,330; rail.....	1,320
286.0	Rock Lake, water, 1,281; rail.....	1,301
289.0	Rock Lake station.....	1,292
291.1	Whitefish Lake, water, 1,281; rail.....	1,294
294.6	Lake of Two Rivers, water, 1,289; rail.....	1,297
296.9	Madawaska River, water, 1,297; rail.....	1,310
299.4	" " " " 1,357; rail.....	1,383
300.4	Cache Lake, water, 1,406; rail.....	1,414
300.9	Cache Lake station.....	1,417
303.7	Summit, ground, 1,509; rail.....	1,497
304.8	Source Lake, water, 1,467; rail.....	1,475
308.8	Canoe Lake, water, 1,379; rail.....	1,393
308.9	Canoe Lake station.....	1,392

*The levels of the Canadian Pacific and Kingston and Pembroke railways indicate an error of about 50 feet between Eganville and Renfrew junction. The intermediate elevations must therefore be considered as approximate only.

Miles from Alburgh Jct.	CANADA ATLANTIC RAILWAY—MAIN LINE	Elevation
312.6	Potter Lake, water, 1,426; rail.....	1,437
315.0	Brulé Lake station.....	1,472
318.0	Summit, highest point on the line, rail.....	1,607
321.3	Rainy Lake, water, 1,438; rail.....	1,452
323.1	Rainy Lake station.....	1,453
324.1	Rainy River, water, 1,432; rail.....	1,439
327.2	Summit, ground, 200 ft. west, 1,536; rail.....	1,527
327.4	Round Lake, water, 1,510; rail.....	1,518
332.1	Cashman Brook viaduct, water, 1,355; rail.....	1,433
332.9	Ravensworth station.....	1,414
335.2	Tonawanda River, bed, 1,262; rail.....	1,294
336.4	Lake, water, 1,260; rail.....	1,267
340.1	Kearney station.....	1,110
345.5	Scotia, junction with Grand Trunk Ry., Toronto and North Bay Div.....	1,082
348.6	Government road crossing.....	1,143
349.8	Summit, ground, 1,151; rail.....	1,146
350.9	Mud Lake siding.....	1,138
354.4	Depression, bed, 1,013; rail.....	1,028
356.5	Sprucedale station.....	1,075
359.5	Whitehall ".....	1,097
363.0	Bear Lake ".....	1,037
363.4	Bear Lake, water.....	1,030
365.9	Seguin River, water, 971; bed, 965; rail.....	980
368.5	Seguin Falls station.....	963
369.1	Seguin River, water, 940; bed, 934; rail.....	979
373.2	Lake, water, 950; rail.....	961
374.1	Diamond Lake, water, 892; rail.....	896
374.9	Edgington station.....	891
377.2	Branch of Seguin River, water, 746; bed, 739; rail.....	775
377.2	Marsh, Maple and Duck lakes, water.....	746
378.0	Maple Lake station.....	798
380.2	Beatty siding (summit), ground, 918; rail.....	905
383.5	Pender Lake, water, 839; rail.....	851
386.2	Falding station.....	770
387.6	Otter Lake station.....	732
	Otter Lake, water.....	681
388.9	Boyne River, water, 681; bed, 678; rail.....	688
389.2	Potabawinnana Lake, water.....	676
391.5	Boyne River, water, 629; bed, 625; rail.....	636
393.2	Parry Sound (Rose Point) station.....	602
396.7	Depot Harbour station.....	590
	Lake Huron, mean water (1871-1899).....	579.90
Miles from Glen Robertson	CANADA ATLANTIC RAILWAY—HAWKESBURY BRANCH	
0.0	Glen Robertson, junction with main line, 72.3 miles from Alburgh junction..	261
3.5	Glen Sandfield road.....	240
6.0	Summit, ground, 249; rail.....	244
7.0	Dalkeith station.....	232
7.9	River à la Graisse, water, 204; bed, 198; rail.....	218
12.2	Summit.....	322
13.6	Vankleek Hill station.....	297
15.1	Canadian Pacific Ry., 'South Shore' line crossing.....	263
21.0	Hawkesbury station.....	141
Miles from South Indian	CANADA ATLANTIC RAILWAY—ROCKLAND BRANCH	
0.0	South Indian, junction with main line, 112.7 miles from Alburgh junction..	232
3.2	Black Brook, water, 183; rail.....	214
5.0	Bear Brook, water, 165; rail.....	201
5.1	Cheney station.....	211
7.8	Hammond station.....	220
8.0	South Br. North Indian Brook, water, 199; rail.....	208
10.2	North Br. " " water, 260; rail.....	204
11.9	Clarence Creek station (summit).....	271
16.0	Rockland ".....	163
16.8	Edwards wharf, Ottawa River.....	142

Miles from Golden Lake	CANADA ATLANTIC RAILWAY—PEMBROKE BRANCH	Elevation
0·0	Golden Lake, junction with main line, 217·8 miles from Alburgh junction . . .	595
0·3	Bonnechere River (Golden Lake), water (Oct. 2, 1900), 560; bed, 555; rail. .	573
2·8	Brook, water, 601; rail.	606
4·5	Summit, ground, 300 ft. north, 625; rail.	615
6·5	Depression, ground, 510; rail.	514
7·0	Black Brook, bed, 505; rail.	536
9·9	Woitto station.	652
10·2	Summit, ground, 660; rail.	653
11·1	Brook, bed, 601; rail.	609
12·1	" 569; rail.	589
13·9	Ledgerwood Brook, water, 477; rail.	503
14·6	Locksley station.	513
19·7	Muskrat River, water, 392; rail.	418
20·9	Pembroke station.	393
Miles from M. C. June.	CANADA ATLANTIC RAILWAY—MACAULAY CENTRAL BRANCH	
0·0	Macaulay Central junction, 267·0 miles from Alburgh junction.	1,053
0·2	Madawaska River, high water, 1,042; low water, 1,037; rail.	1,048
0·7	Macaulay Brook " 1,053; " 1,052; "	1,063
1·2	" " 1,084; " 1,081; "	1,089
2·7	Major Brook, bed, 1,112; rail.	1,118
4·5	End of profile.	1,122
Miles from Ottawa	NEW YORK AND OTTAWA RAILWAY	
0·0	Ottawa, Central station.	212
1·8	Canadian Pacific Ry. junction.	200
5·4	Hawthorne, Canada Atlantic Railway, main line, crossing.	220
7·0	Ramsay station.	240
8·2	Summit, ground and rail.	266
10·5	Piperville station.	261
13·2	Edwards "	258
20·0	Russell "	236
23·6	Kimbrun "	223
23·8	Castor Brook, water, 192; bed, 181; rail.	222
25·9	Yellow Brook, bed, 200; rail.	222
27·3	Cambridge station.	228
31·2	South Nation River, water, 193; bed, 186; rail.	222
31·4	Crysler station.	222
34·6	Berwick "	243
37·0	Finch, junc. with Canadian Pacific Ry., O. & Q. Div., 79·0 miles from Montreal	273
39·5	Finch and Osnabrock town-line road.	297
41·1	Newington station.	321
44·3	Northfield "	331
44·6	Summit, ground, 340; rail.	334
47·0	Harrison station.	295
48·2	Black River, bed, 243; rail.	252
48·6	Black River station.	253
55·8	Cornwall junction, with Grand Trunk Ry. 68·77 miles from Montreal.	201
56·7	Cornwall station.	213
57·1	River St. Lawrence, North channel, high water, 159; water (Oct. 22, 1896) 155; bed, 120; rail.	224
58·9	River St. Lawrence, South channel, high water, 157; water (Oct. 28, 1896), 152; bed, 117; rail.	186
Miles from Brookville	BROCKVILLE, WESTPORT AND SAULT STE. MARIE RAILWAY	
0 00	Brookville station.	257
1·21	Grand Trunk Ry. crossing, G. T. Ry., rail, 282; B. W. and S. Ste. M. Ry., rail	306
4·97	Lyn station.	291
7·72	Sedley "	341
8·73	East Lake, water, 351; rail.	355
9·36	Lee station.	399
12·64	Forthton station (summit).	409
13·33	Elbe "	374
17·53	Athens (Farmersville) station.	416
20·94	Yonge and Lansdowne town-line road (summit).	442
24·00	Soperton station.	365

Miles from Brockville	BROCKVILLE, WESTPORT AND SAULT STE. MARIE RAILWAY	Elevation
26.32	Lyndhurst station.....	297
27.87	Delta ".....	312
27.97	Delta Brook, water 299; rail.....	312
32.93	Elgin station.....	432
33.90	Summit, ground, 452; rail.....	443
36.52	Crosby station.....	405
37.00	Mud Lake, high water, 401; low water, 399; rail.....	404
39.70	Newboro station.....	437
40.07	Rideau Canal, water, 405; rail.....	440
44.00	Summit, ground, 467; rail.....	458
43.45	Westport station.....	455
Miles from Kingston	KINGSTON AND PEMBROKE RAILWAY	
	Lake Ontario, mean water (1871-1899).....	245.02
0.00	Kingston station.....	255
1.05	Grand Trunk Ry., main line, crossing, 172.91 miles from Montreal.....	286.7
1.94	Summit.....	312
2.90	Brook, water, 254; rail.....	266
3.54	Little Cataraqui River, water, 254; rail.....	267
5.65	Summit.....	372
7.25	Collins Brook, water, 284; rail.....	302
10.13	Glenvale station.....	420
14.08	Murvale station.....	470
16.08	Mud Brook, water, 409; rail.....	415
17.43	Summit.....	519
18.40	Harrowsmith station.....	491
20.46	Sigsworth ".....	511
21.35	Hartington ".....	531
22.85	Napanee River, water, 448; rail.....	456
24.40	Verona station.....	459
28.20	Summit.....	521
29.23	Bedford, junction with Glendower Mines branch.....	500
33.00	Glendower Mines branch, end of track.....	520
	Thirty-island Lake, water.....	507
29.43	Cold Brook, water, 494; rail.....	508
30.48	Summit.....	579
32.04	Hinchinbrooke station.....	564
32.40	St. Andrews Brook, water, 558; rail.....	566
34.59	Summit.....	612
36.44	Harswell Lake, water, 585; rail.....	594
38.16	Parham station.....	651
38.76	Eagle Brook, water, 624; rail.....	649
41.93	Olden station.....	676
43.53	St. George Lake, water, 641; rail.....	649
44.91	Summit.....	689
46.30	Sharbot Lake, water, 638; rail.....	644
46.61	Sharbot Lake junction, with Canadian Pacific Ry., Ontario and Quebec division, 165.3 miles from Montreal.....	645
47.15	Summit.....	699
50.30	Oso station.....	674
50.94	South Branch Bolton Brook, water, 643; rail.....	653
52.80	Bolton Brook siding.....	686
55.26	Clarendon station.....	764
55.83	Summit.....	781
56.86	Robertsville station.....	753
59.16	Mississippi ".....	690
60.49	Mississippi River, water, 647; rail.....	661
61.05	Snow Road station.....	701
63.59	Antoine Brook, water, 776; rail.....	787
63.85	Ompah station.....	814
66.01	Antoine Brook, water, 832; rail.....	840
66.55	Wilbur Mines junction, with branch to mine.....	840
67.85	Wilbur Mines branch, end of track.....	895
	Caldwell Lake, water.....	890
67.15	Wilbur station.....	894

Miles from Kingston	KINGSTON AND PEMBROKE RAILWAY	Elevation
67.58	Summit, highest point on the line, rail.....	905
68.96	Lavant station.....	845
71.11	Folger ".....	810
73.06	South Branch, Clyde River, water, 664; rail.....	689
76.18	Clyde Forks station.....	613
76.54	Clyde River, water.....	606
78.13	Flower station.....	626
79.00	North Branch Clyde River, water, 629; rail.....	634
80.12	Clyde Lake, water, 643; rail.....	651
81.80	Summit.....	654
83.17	Mile Lake, water, 612; rail.....	620
87.14	Barryvale station.....	535
87.22	Calabogie Lake, water, 507; rail.....	514
89.14	Calabogie station.....	522
90.38	Summit.....	578
91.36	Norway Lake, water, 545; rail.....	557
92.84	Ashdod station.....	572
94.83	Canyon ".....	608
98.58	Opeongo ".....	507
100.25	Admaston ".....	460
102.00	Renfrew junction, with Canada Atlantic Ry., 188.8 miles from Alburgh Junc.	404
103.38	Renfrew, junction with Canadian Pacific Railway, main line, 189.4 miles from Montreal.....	416
Miles from Picton	CENTRAL ONTARIO RAILWAY	
	Lake Ontario, mean water (1871-1899).....	245.02
0.0	Picton station.....	322
4.0	Bloomfield station.....	260
7.3	Hallowell ".....	253
10.7	Wellington ".....	304
12.4	Summit.....	337
14.6	Niles Corners station.....	312
15.7	Hillier ".....	296
16.3	Summit.....	314
21.1	Consecon station.....	255
19.2	Consecon Lake, water, 263; rail.....	269
25.5	Weller Bay station.....	262
26.9	Murray Canal, water, L. Ontario, 245.02; rail.....	257
30.4	Trenton station.....	258
37.7	Cold Brook, water, 361; rail.....	369
38.0	Frankford station.....	371
43.0	Trent River, water, 367; rail.....	384
43.2	Trent Valley Canal, water, 376; rail.....	384
43.3	Chisholm station.....	389
45.5	Anson station, Grand Trunk Ry., Belleville and Midland Div. crossing.....	399
47.3	Summit.....	455
49.2	Squire Brook, bed, 419; rail.....	428
50.0	Rawdon station.....	449
52.8	Springbrook station.....	533
55.0	Central Ontario junction, with Canadian Pacific Ry., Ontario and Quebec division, 224.3 miles from Montreal.....	601
55.8	Summit.....	625
57.2	Ontario, Belmont and Northern Ry. junction.....	598
60.5	Marmora station.....	594
64.1	Summit.....	727
66.4	Moira River, bed, 708; rail.....	718
66.4	Malone station.....	718
70.6	Eldorado ".....	788
75.6	Bannockburn station.....	828
76.3	Moira River, bed, 836; rail.....	844
80.1	Millbridge station.....	944
80.7	Summit.....	960
81.7	Jordan Brook, bed, 949; rail.....	957
86.7	Summit.....	1,035
89.7	Gilmour station.....	1,018
90.3	Beaver Creek, water, 995; rail.....	1,003
92.5	St. Ola station (summit).....	1,968
93.3	Basin Creek, water, 1,037; rail.....	1,043
96.4	Summit.....	1,167

Miles from Picton	CENTRAL ONTARIO RAILWAY	Elevation
96.5	Junction with Coehill branch.....	1,160
98.8	Ormsby station.....	1,146
103.5	Coehill ".....	1,065
98.1	Brinklow road crossing.....	1,152
102.0	Egan Creek, water, 1,092; rail.....	1,102
104.7	Munro road crossing.....	1,098
106.7	Summit, rail.....	1,180
109.2	Carlow road crossing.....	1,073
110.1	L'Amable Creek, water, 1,012; rail.....	1,023
112.5	Bronson road crossing.....	1,077
114.5	Hastings ".....	1,084
115.5	Bancroft station.....	1,073
115.9	" street crossing.....	1,079
116.0	York River, water above Bancroft dam.....	1,067
120.0	Bird Creek road.....	1,108
Miles from O. B. & N. Jc.	ONTARIO, BELMONT AND NORTHERN RAILWAY	
0.00	O. B. & N. junction, with Central Ontario Ry., 57.2 miles from Picton.....	598
0.49	Stirling and Marmora road crossing.....	612
2.67	Marmora village, Madoc St. crossing.....	599
2.81	Tail-race, water, 593; rail.....	602
3.59	Road crossing.....	630
4.20	Beaver Brook, water, 596; rail.....	605
4.42	Road crossing, lot 14, con. IV. Marmora tp.....	606
8.84	Summit, ground, 695; rail.....	691
8.88	Belmont and Marmora town-line.....	690
9.54	End of track at line between lots 18 and 19, con. I, Belmont tp.....	662
Miles from Napanee	BAY OF QUINTE RAILWAY—MAIN LINE	
0.0	Napanee, junction with Grand Trunk Ry., main line, 198.51 miles from Montreal.....	312.7
3.6	Napanee River, water, 274; rail.....	285
5.7	Napanee Mills station.....	310
7.0	Newburgh ".....	334
8.0	Thompson Mills ".....	393
9.3	Camden East ".....	409
13.1	Yarker, junction with Sydenham branch.....	454
14.7	Galbraith station (summit), ground, 508; rail.....	501
16.6	Varty Lake, water, 463; rail.....	470
17.5	Moscow station.....	468
19.8	Mud Lake, water, 448; rail.....	453
20.0	Mud Lake Bridge station.....	453
21.6	Enterprise ".....	483
23.6	Wilson ".....	555
27.5	Salmon River, water, 504; rail.....	512
27.7	Tamworth station.....	515
29.0	Summit, ground, 593; rail.....	587
30.2	Erinsville station.....	549
31.7	White Lake, water, 540; rail.....	548
34.3	Marlbank station.....	537
37.7	Goose Brook, bed, 507; rail.....	518
40.0	Larkins station.....	551
44.0	Moirs River, east bridge, bed, 455; rail.....	470
44.1	Stoco station.....	470
45.7	Moirs River, west bridge, bed, 454; rail.....	469
45.9	Stoco Lake, water.....	462
46.9	Tweed, junction with Canadian Pacific Ry., Ontario and Quebec Div., 206.3 miles from Montreal.....	480
Miles from Yarker	BAY OF QUINTE RAILWAY—SYDENHAM BRANCH	
0.00	Yarker, junction with main line, 13.1 miles from Napanee.....	454
0.42	Napanee River, bed, 431; rail.....	462
2.42	Frontenac station.....	528
2.75	Summit.....	531
5.94	Herchmer Brook, bed, 447; rail.....	460

Miles from Yarker	BAY OF QUINTE RAILWAY—SYDENHAM BRANCH	Elevation
6.27	Harrowsmith, junction with Kingston and Pembroke Ry..	491
10.23	Sydenham station.	433
	Sydenham Lake, water.	424
	BAY OF QUINTE RAILWAY—DESERONTO BRANCH	
	Deseronto junction, with Grand Trunk Ry., main line, 203.32 miles from Montreal.	325
	Sucker Brook, bed, 278; rail.	289
	Deseronto wharf, mean water, Lake Ontario (1871-1899) 245.02; rail.	252
Miles from Gananoque Jc.	THOUSAND ISLAND RAILWAY	
0.0	Gananoque junction, with Grand Trunk Ry., main line, 155.00 miles from Montreal.	306
	Gananoque River station.	265
	Snapper Bridge station, water, Gananoque River, 263; rail.	277
1.7	Gananoque "	251
	River St. Lawrence at Gananoque, mean water.	245
Miles from Iroindale Jc.	IRONDALE, BANCROFT AND OTTAWA RAILWAY	
0.0	Iroindale junction, with Grand Trunk Ry., Haliburton branch, 35.80 miles from Lindsay.	935
0.2	Burnt River, water, 919; rail.	935
2.9	Conway station.	955
4.9	Furnace Falls station.	970
6.0	Burnt River, bed, 930; rail.	956
8.3	Howland station.	982
9.3	Iroindale "	980
9.9	Burnt River, bed, 963; rail.	981
10.9	" " 974 "	995
11.4	Maxwell station.	1,023
13.9	Burnt River, bed, 1,027; rail.	1,045
11.3	" " 1,033 "	1,050
15.3	Tyndall station.	1,072
16.9	Gooderham station.	1,073
17.2	Burnt River, bed, 1,060; rail.	1,074
20.5	McCue Brook, bed, 1,121; rail.	1,131
20.6	Hadley station.	1,120
24.7	Tory Hill station.	1,147
28.0	Haliburton Road station.	1,181
28.9	Summit, ground, 1,217; rail.	1,211
30.2	Wilberforce station.	1,194
30.5	Burnt River, water, 1,184; rail.	1,194
32.4	Deer Lake road crossing.	1,225
34.8	Summit, ground, 1,276; rail.	1,270
36.4	Mumford station.	1,259
37.5	Summit, ground, 1,294; rail.	1,289
39.5	Deer Lake station.	1,233
40.8	Diamond Lake, water, 1,215; rail.	1,220
44.5	Baptiste Lake, water, 1,205; rail.	1,215
45.0	Baptiste Lake station.	1,215
Miles from Cobourg	COBOURG, NORTHUMBERLAND AND PACIFIC RAILWAY (projected)	
0.0	Lake Ontario, mean water (1871-1899).	245.02
3.6	Danforth road, lot 14, con. I, Hamilton tp.	374
6.8	Baltimore village, water in mill-pond, 523; grade.	524
8.9	Road between Hamilton and Haldimand townships, 500 ft. north of Fenella P.O.	627
14.9	Summit, lot 15, con. VI., Haldimand, ground, 958; grade.	940
18.8	Old mill-pond, lot 15, con. VIII., Haldimand, water, 747; grade.	749
21.6	Burnley, proposed station.	653
25.4	Mill-pond, lot 10, con. III., Percy, water, 574; grade.	578
27.9	Warkworth village, water in pond, 468; proposed station.	470
31.5	Brook crossing at Percy and Seymour town-line (con. I., Seymour) water 402; grade.	406
32.9	Meyersburg, proposed station, lot 4, con. II., Seymour.	403
35.0	Brook, water (Trent River), 392; grade.	400

Miles from Cobourg	COBOURG, NORTHUMBERLAND AND PACIFIC RAILWAY (projected)	Elevation
36.3	Trent River, at Ranney Falls, water, above falls, 443; below falls, 430; grade	465
38.1	Campbellford, proposed station, lot 12, con. VII, Seymour	489
44.3	Seymour and Rawdon town-line in lot 24, con. VIII, Rawdon	537
50.5	Central Ontario junction, with Canadian Pacific and Central Ontario Rys.	600
Miles from Waterford	TORONTO, HAMILTON AND BUFFALO RAILWAY	
0.00	Waterford station	762
0.30	Waterford junction, with main line, Michigan Central R. R.	761
4.25	Vanessa station	783
7.69	Scotland "	780
9.70	Churches "	820
10.22	Gravel-pit (summit)	845
12.03	Mount Pleasant station	790
17.13	West Brantford "	664
17.81	Grand River, water, 646; rail	666
18.07	Brantford station	657
19.31	Starch Works siding	659
20.30	Bow Park station	659
21.50	Grand Trunk Ry., Buffalo and Goderich Div., crossing	723
21.65	Cainsville station	707
24.88	Wisner "	719
27.88	Jerseyville "	738
31.69	Summit "	780
32.19	Summit, rail	796
35.02	Mineral Springs station	581
38.47	Dundas "	349
39.72	Ancaster "	328
41.76	Hamilton, Garth Street station	305
42.06	" Poulette Street junction	298
42.58	" Hunter Street tunnel, ground at centre, 363; rail	319
42.94	" station	325
43.66	Grand Trunk Ry., Hamilton and Port Dover branch, crossing	326
44.03	Hamilton, Wentworth Street station	330
46.24	Bartonville station	361
49.48	Stoney Creek "	432
51.62	Edgemont "	444
53.89	Saltfleet "	648
58.10	Grassies " (summit)	651
63.17	Smithville "	625
66.08	St. Anns "	608
69.04	Silverdale "	611
74.03	Fenwick "	620
76.22	Chantler, junction with Ridgeville spur	603
78.63	Ridgeville station	688
79.70	Gravel pit	806
79.10	Chippewa River, high water, 566; low water, 560; rail	582
80.12	Welland, junction with Michigan Central R. R.	585
Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—MAIN LINE	
0.00	Buffalo, Exchange St. station	581
24.38	Cantilever bridge, rail	585
24.46	Clifton station	582
25.66	Niagara Falls station	600
26.75	Falls View "	616
27.07	Montrose junction, with Niagara division	612
28.12	Montrose station	595
29.82	Chippewa River, rail	579
37.73	Grand Trunk Ry. crossing	590
38.20	Welland, junction with Fort Erie division and Toronto, Hamilton and Buffalo Ry.	585
38.49	Welland Canal, bed, 552; rail	585
42.87	Hewitt station	583
44.01	Forks Creek, bed, 555; rail	576
47.54	Perry station	585
50.11	Montague station	583
55.76	Attercliffe station	588
63.09	Canfield station, Grand Trunk Ry., Buffalo and Goderich Div., crossing	616

Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—MAIN LINE	Elevation
67·03	Sunmit	660
69·56	Cayuga station	635
70·39	Grand River, bed, 574 ; rail	624
71·15	De Cews Pond, bed, 597 ; rail	635
75·42	Dufferin station	684
79·48	Hagersville station, Grand Trunk Ry., Hamilton and Port Dover branch, crossing	727
85·05	Townsend station	737
87·30	Villa Nova "	730
89·45	Nanticoke Creek, bed, 715 ; rail	749
92·23	Waterford junction, with Toronto, Hamilton and Buffalo Railway	761
98·80	Windham station	815
102·93	Port Dover junction, with Grand Trunk Ry., Stratford and Port Dover branch	787
104·16	Hawtrey	782
108·86	Otter Creek, bed, 727 ; rail	791
109·24	Cornell station	795
114·68	Tilsonburg station	804
114·97	Grand Trunk Ry., Tilsonburg branch, crossing ; G. T. Ry., rail 780 ; M. C. R. R.	805
120·47	Brownsville "	793
125·94	Springfield "	793
128·40	Aylmer "	818
131·13	Kingsmill "	796
132·88	Catfish Creek, bed, 712 ; rail	763
135·48	Yarmouth station, Grand Trunk Ry., "Loop Line," crossing	769
139·16	St. Thomas station	766
140·58	Kettle Creek, bed, 661 ; rail	755
143·36	St. Clair, junction with St. Clair division	763
148·19	Shedden station	725
152·13	Iona "	745
158·07	Dutton "	721
164·60	Bismarck "	708
169·00	Rodney "	691
172·38	Taylor "	716
174·97	Muirkirk "	722
177·13	Highgate "	736
182·78	Ridgetown "	657
188·63	Mull "	647
193·64	Fargo "	637
193·65	Lake Erie and Detroit River Ry., Erie and Huron division, crossing	636
196·02	Charing Cross station	625
202·27	Buxton "	600
206·32	Fletcher "	597
213·25	Tilbury "	599
216·06	Baptiste Creek, bed, 578 ; rail	591
219·86	Comber, junction with Leamington division	606
223·55	Ruscomb River, bed, 590 ; rail	603
224·85	Ruscomb station	605
228·78	Woodslee "	615
234·33	Essex, junction with Amherstburg division	643
238·86	Maidstone Cross station	627
243·15	Pelton, junction with Lake Erie and Detroit River Ry	627
248·92	Roundhouse station	598
250·13	Windsor "	580
	Detroit River at Windsor, mean water	574·3
Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—NIAGARA DIVISION	
0·00	Buffalo Exchange St. station	581
4·50	International bridge, rail	587
5·67	Fort Erie station	595
6·48	Victoria "	605
7·75	Niagara junction, with Fort Erie division	606
12·44	Black Creek, bed, 565 ; rail	574
12·47	Black Creek station	574
18·25	Chippawa "	572
19·99	Montrose junction, with main line, 27·07 miles from Buffalo	612
20·31	Falls View station	617
21·40	Niagara Falls "	610
22·60	Clifton "	583
23·26	St. Catharines & Niagara Central Ry. junction	579

Miles from Buffalo	MICHIGAN CENTRAL RAILROAD—NIAGARA DIVISION	Elevation
25·25	Stamford station	618
26·31	Ingles "	530
27·20	Cement Mill station	461
27·77	Johnson "	403
29·03	Queenston "	349
33·09	Paradise switch	308
34·14	Chatauqua switch	289
34·72	Queen Street station	287
35·20	Niagara-on-the-Lake station	250
	Lake Ontario, mean water (1871-1899)	245·02
Miles from Niagara Jc.	MICHIGAN CENTRAL RAILROAD—FORT ERIE DIVISION	
0·00	Niagara junction, with Niagara division, 7·75 miles from Buffalo	606
5·06	Stevensville station	587
10·50	Brookfield "	608
15·21	Welland, junction with main line 38·20 miles from Buffalo	585
Miles from St. Thomas	MICHIGAN CENTRAL RAILROAD—ST. CLAIR DIVISION	
0·00	St. Thomas station	766
4·24	St. Clair, junction with main line, 143·36 miles from Buffalo	763
5·40	(Grand Trunk Ry. "Loop Line" crossing)	744
9·35	Southwold station	746
12·20	Thames River, bed, 645; rail	720
13·54	Muncey station	720
19·27	Melbourne "	735
22·29	Appin, Grand Trunk Ry., Niagara Falls and Windsor division, crossing	744
24·50	Canadian Pacific Ry., Ontario and Quebec division, crossing	749
29·89	Walker station	731
34·79	East Branch, Sydenham River, bed, 654; rail	710
35·28	Alvinston station	713
40·99	Inwood "	688
42·30	Weidman "	682
43·80	Glen Rae "	681
44·98	Holmesdale "	676
48·19	Oil City "	661
50·17	Petrolia junction	660
50·42	Fox Creek, bed, 647; rail	659
55·20	Chamberlain station	638
56·56	Brigden "	634
57·16	Bear Creek, bed, 588; rail	626
59·81	Kimball station	629
65·82	Courtright junction, with Lake Erie and Detroit River Ry., Erie and Huron division	610
66·38	Courtright station	588
Miles from Comber	MICHIGAN CENTRAL RAILROAD—LEAMINGTON DIVISION	
0·0	Comber, junction with main line 219·86 miles from Buffalo	606
2·26	Pettits Mill station	595
3·31	Rosslyn "	610
5·40	Staples "	613
7·12	Blytheswood "	629
8·79	Oakland "	635
10·57	Wigle "	649
13·44	Lake Erie and Detroit River Ry. crossing	624
13·79	Leamington station	626
15·91	Sea Cliff Park "	577
	Lake Erie, mean water (1871-1899)	571·59
Miles from Essex	MICHIGAN CENTRAL RAILROAD—AMHERSTBURG DIVISION	
0·00	Essex, junction with main line 234·33 miles from Buffalo	643
4·78	Edgar station	626
7·23	Lake Erie and Detroit River Ry. crossing	609
7·92	McGregor station	608
9·69	Canard River, bed, 576; rail	600
15·73	Gordon station	581
16·88	Amherstburg station	593
	Detroit River at Amherstburg, mean water	572

Miles from M. C. R. R. Jc.	ST. CATHARINES AND NIAGARA CENTRAL RAILWAY	Elevation
0'00	Junction with Michigan Central R. R., Niagara Div.	579
1'35	Grand Trunk Ry., Allanburg branch, crossing	616
2'08	Summit, ground, 649; rail	647
6'62	Welland Canal, water, 570; rail	595
6'70	Thorold station	595
9'55	Merriton, Grand Trunk Ry., Niagara Falls and Windsor Div. crossing; G. T. Ry. rail 388; St. C. and N. C. Ry. rail	411
11'00	Queenston road crossing, rail	348
12'60	St. Catharines station	346
Miles from Jordan	ST. CATHARINES AND NIAGARA CENTRAL RAILWAY (Projected extension, Jordan to Hamilton)	
0'00	Clinton and Louth town-line, lot 1, con. IV, Clinton	323
3'32	Grand Trunk Ry., quarry siding	306
4'42	Beamsville, Ontario street	310
8'78	Grimsby, Depot street	295
9'00	Forty-mile Brook, high water, 272; rail	295
13'00	Winona, street crossing	296
18'82	Stoney Creek, bed, 248; rail	271
23'42	Hamilton, Sherman Avenue	283
24'64	Grand Trunk Ry., Hamilton and Allandale Div., crossing	311
25'00	Hamilton, James street	320
Miles from Tilsonburg	TILSONBURG, LAKE ERIE AND PACIFIC RAILWAY	
0'0	Tilsonburg, junction with Grand Trunk Ry., 'Loop Line,'	765
2'6	Summit	794
4'2	Eden station	783
6'3	Little Otter Creek, water, 645; rail	698
8'0	Staffordville station	749
12'6	Houghton "	675
13'6	Vienna "	650
15'7	Port Burwell "	580
	Lake Erie, mean water (1871-1899)...	571.59
Miles from Walkerville	LAKE ERIE AND DETROIT RIVER RAILWAY	
	Lake St. Clair, mean water	574.7
0'00	Walkerville station	588
3'00	Walkerville junction, with Canadian Pacific Railway, O. & Q. Div.	611
6'21	Pelton, junction with Michigan Central Railroad, main line, 243.15 miles from Buffalo	627
7'73	Oldcastle station	627
10'72	Paquette "	616
13'29	McGregor, junction with Michigan Central Railroad, Amherstburg Div.	609
15'20	Canard River, bed, 597; rail	608
15'31	New Canaan station	608
18'39	Marshfield "	608
21'06	Harrow "	626
25'60	West Branch Cedar Creek, bed, 573; rail	595
25'92	Arner station	602
30'43	Kingsville station	608
34'17	Ruthven "	682
35'95	Summit, ground, 734; rail	707
37'60	Leamington junction, with Michigan Central Railroad, Leamington Div.	630
38'00	Leamington station	624
46'00	Wheatley "	609
50'60	Renwick "	629
52'88	Coatsworth "	628
57'61	Glenwood "	628
61'00	Merlin "	634
64'59	Buxton "	644
66'44	Sandison "	648
70'76	Cedar Springs "	660
73'90	Blenheim junction, with Erie and Huron division	674
74'70	Blenheim station	672
78'27	Wilkie "	664
84'05	Ridgetown "	670

Miles from Rondeau	LAKE ERIE AND DETROIT RIVER RAILWAY—ERIE AND HURON DIVISION	Elevation
	Lake Erie, mean water (1871-1899).....	571.59
0.0	Rondeau station.....	577
4.0	Shrewsbury ".....	586
7.5	Blenheim ".....	681
7.6	Summit, ground, 1000 ft. north, 698; rail.....	683
7.7	Blenheim junction.....	674
11.5	Fargo, junction with Michigan Central R. R., main line, 193.65 miles from Buffalo.....	636
14.7	Richardson station.....	600
17.6	Chatham junction, with Grand Trunk Ry., Niagara Falls and Windsor Div.....	599
18.0	Chatham station.....	595
18.5	Thames River, high water, 589; low water, 574; rail.....	597
23.0	Darrell station.....	600
24.6	Eberts ".....	600
27.8	Emmett ".....	600
30.2	Dresden ".....	604
35.1	Tupperville station.....	604
41.7	Sydenham River, water, 576; bed, 548; rail.....	585
41.0	Wallaceburg station.....	583
46.5	Whitebread ".....	585
49.0	Port Lambton ".....	583
53.2	Sombra ".....	588
55.6	Clay Creek, water, 580; rail.....	588
57.5	Watson station.....	602
60.8	Courtright junction, with St. Clair Div., Michigan Central R. R.....	607
61.3	Courtright station.....	601
62.5	Mooretown ".....	606
64.0	Summit.....	638
65.8	Corunna station.....	620
67.6	Wawanosh ".....	601
71.2	Sarnia ".....	600
	River St. Clair at Sarnia, mean water.....	578.8
Miles from Port Stanley	LAKE ERIE AND DETROIT RIVER RY.—LONDON AND PORT STANLEY RY.	
	Lake Erie, mean water (1871-1899).....	571.59
0.00	Port Stanley station.....	579
1.09	Kettle Creek, water, 572; rail.....	590
4.12	White station.....	727
8.24	Michigan Central R. R. main line, crossing.....	762
8.43	St. Thomas station.....	762
9.70	Kettle Creek, bed, 683; rail.....	749
10.41	Yarmouth station.....	782
11.17	Siding.....	808
14.16	Glanworth station.....	872
16.18	Summit, rail.....	918
18.52	Westminster station.....	878
23.05	Thames River, bed, 771; rail.....	803
23.48	London, junction with Grand Trunk Ry., Niagara Falls and Windsor Div., 119.80 miles from Suspension Bridge.....	805
Miles from L. Nipissing	NIPISSING AND NOSBONSING RAILWAY	
0.0	Lake Nipissing, low water, 640.5; high water.....	647.8
	Grand Trunk Ry., Toronto and North Bay division, crossing, 216.45 miles from Toronto.....	745
5.5	Lake Nosbonsing, water.....	778
Miles from Sudbury	MANITOULIN AND NORTH SHORE RAILWAY	
0.0	Sudbury, junction with Canadian Pacific Railway, main line, 442.7 miles from Montreal.....	850
3.0	Stream, water, 912; rail.....	920
6.9	" " 941; rail.....	948
8.0	Summit, ground 400 feet west, 994; rail.....	986
8.8	Stream, water, 933; rail.....	954
12.7	End of profile.....	965

Miles from S. Ste. Marie	ALGOMA CENTRAL RAILWAY—MAIN LINE	Elevation
0.0	Sault Ste. Marie.....	585
1.3	Junction with Moore Point spur.....	610
4.5	Moore Point wharf.....	606
3.2	Stream, bed, 644; rail.....	706
5.8	Korah and Tarentorus town-line road.....	834
6.9	Root River, bed 845; rail.....	803
10.5	North boundary Tarentorus township.....	1,018
Miles from Michipicoten	ALGOMA CENTRAL RAILWAY—MICHIPICOTEN BRANCH	
0.0	Michipicoten, commercial dock 607; ore dock.....	641
1.4	Government road crossing.....	754
4.0	Summit.....	980
6.5	Magpie River, water, 843; rail.....	863
9.2	Soulie Lake, water, 1,023; rail.....	1,056
9.8	Otter Lake, water.....	1,093
10.0	Moon " ".....	1,097
10.8	Sayres " ".....	1,222
11.5	Boyer " ".....	1,250
11.6	Helen mine, rail.....	1,256

Miles from Port Arthur	CANADIAN NORTHERN RAILWAY--ONTARIO DIVISION	Elevation
0.0	Port Arthur station.....	607
3.5	Fort William "	612
6.0	Canadian Pacific Ry., main line, crossing, 999.0 miles from Montreal.....	635
13.0	Old Ferry station.....	727
17.2	Corbett Brook, bed, 695; rail.....	722
19.0	Stanley, junction with Duluth and Western branch.....	722
24.3	Kaministiquia River, water, 906; bed, 878; rail.....	918
24.4	Siding No. 1.....	913
27.3	Brook, bed, 936; rail.....	952
33.2	Siding No. 2.....	1,003
33.5	Bay of Kaministiquia River, bed, 989; rail.....	1,000
35.9	Brook, bed, 1,069; rail.....	1,099
38.2	Siding No. 3.....	1,138
41.7	Bay of Matawin River, water, 1,109; rail.....	1,138
45.7	Siding No. 4.....	1,201
48.5	Wiegand Brook, bed, 1,190; rail.....	1,205
51.2	Matawin River at mouth of Shebandowan River, high water, 1,205; water, 1,203; bed, 1,200; rail.....	1,217
54.5	Siding No. 5.....	1,241
55.4	Shebandowan River, high water, 1,287; water, 1,284; bed, 1,280; rail.....	1,297
56.9	Dawson road crossing.....	1,370
59.7	Siding No. 6.....	1,443
63.2	Lower Shebandowan Lake, water.....	1,475
65.0	Swamp River, bed, 1,462; rail.....	1,485
66.4	Bay of Swamp River, water, 1,474; rail.....	1,481
67.6	Siding No. 7.....	1,481
68.5	Swamp River, water, 1,479; rail.....	1,485
72.0	Mud Lake, water.....	1,488
74.4	Long Lake Brook, bed, 1,475; rail.....	1,481
76.5	Siding No. 8.....	1,488
77.4	Summit.....	1,542
77.6	Lake, water.....	1,530
80.8	Kashabowie River, high water, 1,502; water, 1,500; rail.....	1,517
81.5	Siding No. 9.....	1,531
84.3	Tributary of Crayfish Brook, bed, 1,509; rail.....	1,520
85.2	Crayfish Brook, bed, 1,508; rail.....	1,520
86.7	Crayfish Lake, water, 1,535; rail.....	1,546
90.3	Lake, water, 1,541; rail.....	1,551
91.7	Rolling Lake, water, 1,536; rail.....	1,541
93.3	Forks Lake Brook, water, 1,534; rail.....	1,544
94.5	Government road crossing.....	1,564
96.6	Forks Lake, water.....	1,548
97.2	Height-of-land, ground, 1,579; rail.....	1,570
97.5	Lake, water, 1,563; rail.....	1,570
99.2	" " 1,541 ".....	1,550
100.5	Brook, bed, 1,493 ".....	1,521
102.6	Brulé Brook, bed, 1,449; rail.....	1,477
105.0	Windigoostigwan Lake, water.....	1,443
105.8	Lake, water, 1,479; rail.....	1,489
106.9	" " 1,481 ".....	1,488
108.8	Boundary between Thunder Bay and Rainy River districts.....	1,482
111.4	Elbow Lake, water, 1,435; rail.....	1,442
114.4	Mink " " 1,427 ".....	1,439
116.2	Lake, water, 1,444; rail.....	1,461
117.1	" " 1,451 ".....	1,458
118.4	Crossing Lake, water, 1,439; rail.....	1,448
120.4	Base-line Lake, high water, 1,466; rail.....	1,471
121.2	Sunmit, ground, 1,487; rail.....	1,482
123.0	Lake, water, 1,465; rail.....	1,472
127.0	Brook " " 1,424 ".....	1,428
128.0	Base line, 374 ft. east of 17-mile post, ground, 1,407; rail.....	1,414
128.6	Seventeen-mile Brook, bed, 1,381; rail.....	1,398
129.8	Atikokan River, 1st crossing, high water, 1,363; ice, 1,361; rail.....	1,373
130.6	" " 2nd " " 1,362 " 1,360 ".....	1,368
134.8	" " 3rd " " water, 1,356; rail.....	1,366
139.0	" " 4th " " 1,345 ".....	1,352
139.9	" " 5th " " 1,314 ".....	1,329
140.5	" " 6th " " 1,301 ".....	1,315
141.1	Brook, water 1,273; rail.....	1,301
141.2	Steep Rock Lake, high water, 1,267; rail.....	1,278

Miles from Port Arthur	CANADIAN NORTHERN RAILWAY—ONTARIO DIVISION	Elevation
148.7	Summit	1,306
150.7	Jackfish Brook, water, 1,275; rail	1,280
154.0	Perch Lake, high water, 1,257; rail	1,267
155.5	Macaulay Brook, high water (Seine River), 1,257; low water, 1,251; rail	1,275
157.8	Club Lake, high water, 1,256; low water (Jan. 4, 1900), 1,250; rail	1,263
159.6	Pike Lake " 1,254 " 1,249; rail	1,261
162.1	Bay of Seine River, high water, 1,246; low water, 1,241; rail	1,260
165.1	Summit, ground, 1,321; rail	1,311
166.9	Gale Brook, bed, 1,233; rail	1,266
167.7	Mills Brook " 1,227 " "	1,246
170.7	" " 1,152 " "	1,178
174.0	Seine River, low water, 1,139; high water, 1,144; rail	1,169
176.4	Summit, ground, 1,232; rail	1,223
179.9	Brook, water, 1,179; rail	1,201
182.0	" bed, 1,143; rail	1,158
185.9	Summit, ground, 700 feet west, 1,204; rail	1,194
188.3	Depression, ground, 1,134; rail	1,139
190.3	Summit, rail	1,198
191.9	Portage, Little Turtle to Vermilion Lake, rail	1,171
194.8	Olive Mine road crossing	1,189
195.5	Summit, ground, 1,206; rail	1,196
196.3	Brook, bed, 1,149; rail	1,174
205.0	Little Ottetail Lake, water, 1,106; rail	1,109
206.8	Summit, ground, 1,160; rail	1,147
225.5	Rainy Lake, low water, 1,099; high water	1,107
229.0	Grade, opposite Fort Frances	1,113
Miles from Stanley	CANADIAN NORTHERN RAILWAY—DULUTH AND WESTERN BRANCH	
0.0	Stanley, junction with Ontario division, 19.0 miles from Port Arthur	722
1.3	Kaministiquia River, water, 690; rail	717
5.4	Whitefish River, bed, 751; rail	766
8.0	Silver Creek station	807
10.0	Murdoch " "	877
12.4	Whitefish River, bed, 935; rail	943
13.6	" " " 980 " "	1,000
16.8	" " " 1,089 " "	1,095
18.2	Beaver Dam Creek, bed, 1,150; rail	1,162
21.0	Silver Mountain station	1,282
23.5	Whitefish Lake, water	1,330
23.8	Whitefish Lake station	1,348
28.1	Brook, bed, 1,424; rail	1,445
33.2	Summit, ground and rail	1,552
34.3	Sand River, bed, 1,532; rail	1,539
36.6	Sand Lake, water, 1,538; rail	1,541
45.3	Summit, ground, 1,697; rail	1,692
46.9	Lake, water, 1,607; rail	1,611
48.0	Addie Lake, water, 1,605; rail	1,609
52.0	North Lake station	1,572
55.2	Arm of North Lake, water, 1,549; rail	1,562
60.3	Summit, ground and rail	1,627
63.0	Gundfint Lake, water, 1,545; rail	1,553
66.5	Gundfint Narrows station	1,569
Miles from St. Boniface	CANADIAN NORTHERN RAILWAY—WINNIPEG DIVISION	
1.5	St Boniface, junction with Emerson branch, Canadian Pacific Railway	757
2.8	Dawson road crossing	750
14.4	Lorette station	790
21.8	Dufresne " "	804
27.5	Seine River, high water, 819; low water, 810; rail	824
28.4	St. Anne station	827
34.5	Steinbach " "	881
39.7	La Broquerie station	924
42.1	Seine River, bed, 920; rail	932
45.4	Northwest Branch Seine River, bed, 945; rail	961
47.1	Marchand station	1,001
50.3	Branch of Seine River, bed, 1,036; rail	1,042
53.2	Bedford station	1,111

Miles from St. Boniface	CANADIAN NORTHERN RAILWAY—WINNIPEG DIVISION	Elevation
56.8	Sandilands station	1,161
59.2	Little Rat River, bed, 1,122; rail ..	1,143
61.1	Woodridge station	1,223
68.6	Rat Creek, bed, 1,152; rail	1,174
74.5	Summit	1,245
75.3	Summit station	1,237
84.1	Vassar	1,168
94.7	North Branch Roseau River, water, 1,050; rail	1,063
95.3	Sprague station	1,063
96.0	Mud Brook, water, 1,052; rail	1,063
107.9	International boundary	1,067
114.6	Warroad station, Minn.	1,061
127.4	Willow Creek station, Minn.	1,155
139.6	Lipper Creek	1,135
	Lake of the Woods, high water, 1,055; low water, 1,052; ice (winter '99-'00) ..	1,054
151.3	Baudette station, Minn.	1,076
151.5	Rainy River (International boundary), high water, 1,057; low water, 1,053.5; rail	1,066
Miles from Gladstone	CANADIAN NORTHERN RAILWAY—SASKATCHEWAN DIVISION	
0.0	Gladstone, junction with Canadian Pacific Ry., North Western branch, 34.9 miles from Portage la Prairie	884
0.7	Junction switch	892
1.3	Gopher Brook, high water, 862; rail	888
6.7	Ogilvie station	925
13.0	Plumas	927
13.4	Jordan River, high water, 919; rail	926
18.7	Jumping Deer Brook, high water, 925; rail	927
25.4	Grassy River, high water, 947; rail	951
26.5	Glenella station	954
34.6	Glencairn	974
40.9	Turtle River, high water, 973; rail	977
45.7	Summit	993
46.6	McCreary (formerly Elliott) station	992
49.1	Creek, water, 979; rail	985
55.1	Laurier station	965
60.6	Creek, water, 964; rail	968
63.5	Makinak station	972
64.4	Creek, water, 965; rail	971
69.2	Kerowene Creek, high water, 941; rail	945
70.7	Ochre River station	929
71.4	Ochre River, high water, 914; rail	917
74.6	Depression, ground, 896; rail	902
79.6	Jackfish River, high water, 940; rail	945
84.3	Dauphin station	957
85.0	Vermilion River, high water, 959; low water, 950; rail	968
90.3	Wilson River, water, 957; rail	973
93.2	Valley River station	971
93.4	Valley River, high water, 956; rail	970
97.4	Summit	986
100.4	Sifton station	967
102.2	Sifton junction, with Lake Winnipegosis branch	959
108.7	Siding	1,023
116.8	Fork River, bed, 1,105; rail	1,125
116.9	Ethelbert station	1,126
125.7	Pine Creek, bed, 1,105; rail	1,123
126.0	Garland station	1,127
136.0	Pine River station	1,146
137.8	Pine River, bed, 1,143; rail	1,154
143.4	South Duck River, bed, 1,137; rail	1,150
146.6	Sc Slater station	1,149
146.8	Slate River, bed, 1,137; rail	1,148
153.7	North Duck River, bed, 1,164; rail	1,194
154.0	Cowan station	1,109
161.3	Sinclair River, bed, 1,131; rail	1,138
164.7	Fisher station	1,130
174.5	Minitonas station	1,086
174.7	East Favell River, bed, 1,072; rail	1,085

Miles from Gladstone	CANADIAN NORTHERN RAILWAY—SASKATCHEWAN DIVISION	Elevation
176.0	West Favell River, bed, 1,071; rail.....	1,086
178.9	Minitonas Brook, bed, 1,075; rail.....	1,098
183.2	Rolling River, bed, 1,100; rail.....	1,113
185.8	Swan River station.....	1,112
186.2	Swan River, bed, 1,080; rail.....	1,100
193.8	Woody River, high water, 1,000; water, 998; bed, 993; rail.....	1,028
195.5	Bowsman station.....	1,016
196.3	Bowsman River, water, 987; bed, 981; rail.....	1,003
198.8	Brook, water, 993; rail.....	1,001
206.8	Birch River, water, 1,020; rail.....	1,031
	From 195 to 212 miles, nearly level.....	1,000-1,045
207.3	Birch River station.....	1,039
212.4	North Branch Birch River, bed, 1,067; rail.....	1,072
212.8	Summit.....	1,079
216.7	Novra station.....	1,059
221.6	Bell River, bed, 1,060; rail.....	1,072
228.0	Mafeking station.....	1,067
230.9	Steeple Rock River, bed, 1,024; rail.....	1,037
236.3	Baden station.....	1,035
237.9	Muddy River, bed, 1,029; rail.....	1,039
241.0	Rice River " 1,054 ".....	1,066
245.1	Powell station.....	1,035
251.0	Watercourse, bed, 982; rail.....	991
252.4	Little Woody River, bed, 995; rail.....	1,009
255.9	Armitt station.....	1,011
256.5	Boundary between Manitoba and Saskatchewan, rail.....	1,012
256.8	Armitt River, bed, 1,000; rail.....	1,012
265.0	North Armitt River, bed, 1,023; rail.....	1,037
270.0	Summit, ground and rail.....	1,130
270.6	Second Meridian.....	1,117
272.0	Smoking Tent River, bed, 1,095; rail.....	1,106
278.6	Red Deer River, bed, 1,034; rail.....	1,072
283.0	Grade.....	1,154
288.3	Fir River, bed, 1,218; rail.....	1,236
295.0	Grade.....	1,348
299.7	Greenwood River, bed, 1,380; rail.....	1,403
300.2	End of profile, ground, 1,416; rail.....	1,413
Miles from Sifton June.	CANADIAN NORTHERN RAILWAY—LAKE WINNIPEGOSIS BRANCH	
0.0	Sifton junction, with main line, 102.2 miles from Gladstone.....	959
2.8	Mink Creek, bed, 928; rail.....	934
5.6	Fishing River, bed, 904; rail.....	912
9.5	Fork River station.....	872
10.3	Fork River, water, 851; rail.....	869
19.2	Gruber station.....	847
20.7	Winnipegosis station.....	839
21.2	Lake Winnipegosis, water.....	828
es from main line	CANADIAN NORTHERN RAILWAY—GILBERT PLAINS BRANCH	
0.0	Junction with main line, 87 miles from Gladstone.....	965
5.9	Wilson River, water, 1,022; rail.....	1,051
10.0	Grade and ground.....	1,170
15.0	Brook, bed, 1,284; rail.....	1,292
17.6	Brook bed, 1,293; rail.....	1,309
20.2	Grade and ground.....	1,343
25.0	Grade and ground.....	1,411
28.0	Stream, bed, 1,409; grade.....	1,419
31.8	Stream, water, 1,442; grade.....	1,455
33.8	Stream, bed, 1,503; grade.....	1,505
38.7	Stream, bed, 1,597; grade.....	1,602
40.4	Short Creek, bed, 1,545; grade.....	1,552
42.0	Short Creek, bed, 1,563; grade.....	1,568
49.7	Summit, grade.....	1,597
52.1	Shell River, water, 1646; bed, 1644; grade.....	1,365

Miles from Inter. Bdy.	NORTHERN PACIFIC RAILWAY—MANITOBA DIVISION	Eleva
0.0	International boundary.....	788
0.8	West Lynne station.....	787
9.4	River aux Marais, high water, 776; low water, 763; rail.....	779
9.9	Letellier station.....	784
15.8	Martin ".....	781
19.1	St. Jean ".....	775
19.7	Plum River, high water, 768; low water, 746; rail.....	771
25.4	Morris, junction with Brandon branch.....	773
26.0	Morris River, high water, 766; low water, 739; rail.....	771
33.4	Silver Plains station.....	776
38.7	Union Point ".....	776
42.4	St. Agathe ".....	774
47.1	Glenlea ".....	769
50.6	Cartier ".....	765
56.6	St. Norbert ".....	762
62.8	Portage, junction with Portage la Prairie branch.....	760
65.3	Assiniboine River, high water, 745; low water, 722; rail.....	753
65.9	Winnipeg station.....	753
Miles from Portage Jct.	NORTHERN PACIFIC RAILWAY—PORTAGE LA PRAIRIE BRANCH	
0.0	Portage, junction with Manitoba division, 62.8 miles from International boundary.....	760
2.2	Canadian Pacific Ry., Pembina branch, crossing.....	764
10.1	Headingly station.....	778
11.8	Canadian Pacific Ry., South Western branch, crossing.....	779
17.8	White Plains station.....	801
27.5	La Salle ".....	789
28.0	La Salle River, bed, 779; rail.....	790
32.0	Eustace station.....	795
39.0	Oakville ".....	815
43.0	Curtis ".....	827
47.8	Assiniboine River, high water, 842; bed, 814; rail.....	847
52.6	Portage la Prairie, junction with Portage and North-western and Lake branches.....	854
Miles from Portage la Prairie	NORTHERN PACIFIC RAILWAY—PORTAGE AND NORTH- WESTERN BRANCH	
0.0	Portage la Prairie, junction with Portage la Prairie branch.....	854
5.2	Horizon station.....	840
10.6	Ridgeway ".....	841
14.9	Youill ".....	854
19.2	Beaver ".....	862
Miles from Portage la Prairie	NORTHERN PACIFIC RAILWAY—LAKE BRANCH	
0.0	Portage la Prairie, junction with Portage la Prairie branch.....	854
3.0	Alpha station.....	846
6.1	Townline ".....	827
9.1	Oakland ".....	819
	Lake Manitoba, water, (July 3, 1900).....	809
Miles from Morris	NORTHERN PACIFIC RAILWAY—BRANDON BRANCH	
0.00	Morris, junction with Manitoba division, 25.4 miles from the International boundary.....	773
0.24	Canadian Pacific Ry., Pembina branch, crossing.....	773
10.00	Lowie station.....	791
21.11	Myrtle ".....	827
25.86	Roland ".....	855
33.68	Rosebank ".....	910
39.60	Miami ".....	1,012
40.36	South Branch Tobacco Creek, bed, 1,025; rail.....	1,038
44.66	Drivers ravine, bed, 1,185; rail.....	1,214
49.11	Deerwood station.....	1,414
54.37	Altamont ".....	1,589
56.21	Summit, rail.....	1,628
62.25	Somerset station.....	1,565

Miles from Morris	NORTHERN PACIFIC RAILWAY—BRANDON BRANCH	Elevation
67.15	Summit	1,585
68.55	Swan Lake station	1,557
70.42	Branch of Pembina River, bed, 1,460; rail	1,497
74.87	Indian Springs station	1,471
79.46	Mariopolis "	1,488
86.34	Greenway "	1,401
92.30	Baldur "	1,408
102.15	Belmont "	1,408
105.55	Departure, junction with Souris River branch	1,433
109.96	Hilton station	1,370
114.42	Ashdown station	1,343
117.10	Spring Brook, water, 1,272; rail	1,290
119.42	Top of bluff, right bank of Souris River	1,260
120.14	Wawanesa station	1,198
120.50	Souris River, high water, 1,143; rail	1,187
122.40	Top of bluff, left bank of Souris River	1,308
123.15	Elliot siding	1,315
125.58	Black Creek, bed, 1,278; rail	1,307
115.35	Canadian Pacific Ry., Souris branch, crossing	1,311
126.05	Summit, rail	1,335
129.64	Rounthwaite (Naughton) station	1,307
134.34	Little Souris River, bed, 1,201; rail	1,215
137.46	Martinville station	1,216
145.20	Brandon "	1,255
Miles from Departure	NORTHERN PACIFIC RAILWAY—SOURIS BRANCH	
0.0	Departure, junction with Brandon branch, 105.55 miles from Morris	1,433
4.6	Tiger Hills station	1,521
4.8	Summit	1,527
8.9	Depression	1,353
9.4	Ninette station	1,363
12.4	Ontop "	1,493
14.0	Dunrea "	1,498
19.7	Margaret "	1,541
27.1	Minto "	1,593
28.1	Summit	1,597
32.3	Fairfax station	1,569
38.5	Elgin "	1,530
46.3	Trackend "	1,479
Miles from Winnipeg	WINNIPEG GREAT NORTHERN RAILWAY (abandoned)	
0.0	Winnipeg, Canadian Pacific Ry station	757
4.7	Junction with Canadian Pacific Ry., main line	780
5.4	Colony Creek, bed, 771; rail	781
14.7	Grade, S.E. $\frac{1}{2}$ Sec. 28, Tp. 12, R. I.E.	794
25.2	Grade, N.E. $\frac{1}{2}$ Sec. 8, Tp. 14, R. I.W.	819
35.0	Grade, S.W. $\frac{1}{2}$ Sec. 15, Tp. 15, R. II.W.	855
39.2	Grade, between Swan and Shoal Lakes, S. W. $\frac{1}{2}$ Tp. 15, R. II, W.	856
40.0	Shoal Lake (five to fifteen feet deep) low water, 850; high water	855
42.4	Summit, line between Secs. 12 and 13, Tp. 16, R. III W.	865
Miles from Lethbridge	ALBERTA RAILWAY & COAL CO.'S RAILWAY	
0.0	Lethbridge, junction with Canadian Pacific Ry., Crow Nest branch	2,982
1.8	Montana junction	3,009
14.0	Summit	3,085
18.4	Eighteen-mile Lake, bed, 3,028; rail	3,035
19.9	Stirling, junction with St. Marys River Ry.	3,045
28.3	Summit	3,191
39.1	Stream, bed, 3,168; rail	3,177
42.5	Brunton station	3,308
52.5	Summit	3,474
53.8	Milk River station	3,420
54.1	Milk River, bed, 3,400; rail	3,417
63.1	Red River, bed, 3,402; rail	3,412
65.0	Summit	3,493
66.5	Coutts station (International boundary)	3,463
66.6	Sweet Grass station, Montana	3,463

Miles from Lethbridge	ALBERTA RAILWAY & COAL CO.'S RAILWAY	Elevation
79.0	Kevin station, Montana.....	3,351
91.5	Rocky Springs station, Montana.....	3,279
104.0	Shelby, Montana, junction with Great Northern Railway.....	3,274
115.0	Conrad station, Montana.....	3,044
115.3	Marias River, bed, 3,015; rail.....	3,041
133.3	Pondera station, Montana.....	3,487
137.5	Summit.....	3,658
156.8	Teton River, bed, 3,362; rail.....	3,380
157.0	Collins station, Montana.....	3,384
164.0	Summit.....	3,734
179.0	Steel station, Montana.....	3,520
188.0	Vaughan station, Montana.....	3,366
200.0	Great Falls " ".....	3,323
Miles from Stirling	ST. MARYS RIVER RAILWAY	
0.0	Stirling, junction with Alberta Ry. & Coal Co.'s Ry., 19.9 miles from Lethbridge.	
0.6	Junction switch.....	3,043
1.4	Grade.....	3,117
6.1	Middle Coulee, bed, 3,088; rail.....	3,093
8.6	Grade.....	3,131
9.6	Fifteen-mile Butte, rail.....	3,125
12.6	Nine-mile Coulee, bed, 3,139; rail.....	3,145
15.3	Summit, ground, 400 feet west, 3,199; rail.....	3,191
15.7	Pothole Creek, bed, 3,133; rail.....	3,161
18.2	Magrath.....	3,210
21.0	Magrath lateral ditch, rail.....	3,289
24.2	Summit, ground, 3,451; rail.....	3,446
26.3	West Fork Pothole Creek, bed, 3,442; rail.....	3,453
28.3	West Fork Pothole Creek, bed, 3,508; rail.....	3,514
30.6	Spring Coulee station.....	3,578

Miles from Kaslo	KASLO AND SLOCAN RAILWAY	Elevation.
	Kootenay Lake, ordinary high water 1,752; low water.	1,734
0·0	Kaslo station	1,752
6·3	South Fork station	2,291
16·7	Whitewater "	3,287
20·4	Bear Lake "	3,500
	Fish Lake, water	3,482
	Summit	3,515
	Bear Lake, water	3,507
23·3	McGuigan station	3,515
27·1	Cody junction	3,515
29·0	Sandon station	3,516
Miles from Inter. Bdy.	NELSON AND FORT SHEPPARD RAILWAY	
0·0	International boundary	1,352
0·5	Pend d'Oreille River, high water, 1,344; low water, 1,309; rail	1,358
0·7	Waneta station	1,358
4·7	Sayward "	1,613
7·4	Beaver Creek bed, 1,794; rail	1,818
9·8	Beaver siding	1,984
11·7	Champion station	2,008
12·8	Slough of Beaver Creek, bed, 2,003; rail	2,012
19·6	Meadow siding	2,328
20·8	Summit, opposite Summit Lake, rail	2,352
22·4	Erie station	2,343
22·7	North Fork Salmon River, bed, 2,322; rail	2,333
25·2	Salmo station	2,181
28·2	Boulder Brook, bed, 2,268; rail	2,276
32·8	Ymir station	2,398
36·3	Porto Rico station	2,587
36·3	Falls Brook, bed, 2,578; rail	2,584
39·1	Hall Brook, bed, 2,756; rail	2,769
40·0	Hall siding	2,828
42·4	Summit siding	3,036
44·0	Summit, ground, 3,083; rail	3,078
47·3	East Fork, Cottonwood Brook, bed, 2,688; rail	2,716
50·0	Nelson siding	2,385
51·3	Anderson Brook, bed, 2,109; rail	2,136
55·0	Kootenay siding	1,778
55·2	Kootenay Lake, high water, 1,767; low water	1,747
60·3	Nelson station	1,781
Miles from Inter. Bdy.	RED MOUNTAIN RAILWAY	
0·0	International boundary	2,201
0·3	Siding	2,222
9·7	Rossland station	3,488
Miles from Victoria	VICTORIA AND SYDNEY RAILWAY	
0·0	Victoria station	57
4·3	Royal Oak station	115
7·9	Elk Lake " (summit)	235
9·1	Keating "	201
11·8	Saanichton "	170
16·1	Sydney "	22
Miles from Victoria	ESQUIMALT AND NANAIMO RAILWAY	
0·0	Victoria station	29
0·8	"	43
2·0	Summit, rail	58
3·6	Esquimalt station	33
4·7	Deadman River, high water, 3; rail	18
5·0	Stewart station	43
6·0	Parson Bridge station	83
7·3	Mill stream, bed, 136; rail	196
8·4	Langford station	248
9·6	Bay of Langford Lake, water, 213; rail	215
11·0	Goldstream station	283

Miles from Victoria	ESQUIMALT AND NANAIMO RAILWAY	Elevation
11.2	Gold Stream, bed, 230; rail.	253
13.4	Double-head cañon, bed, 329; rail.	439
14.2	Niagara cañon, bed, 305; rail.	503
15.1	Arbutus cañon, bed, 387; rail.	572
15.6	Tunnel, ground, 724; rail.	613
20.3	Summit station, ground, 921; rail.	916
28.0	Shawnigan Lake station.	383
28.0	Shawnigan Lake, high water, 380; low water, 376; rail.	383
31.0	Cobble Hill station.	309
32.7	Victoria and Nanaimo road crossing.	231
35.0	Cowichan station.	128
38.0	Koksilah.	24
38.8	Koksilah River, high water, 3; rail.	24
40.0	Duncan station.	23
40.2	Cowichan River, water, 24; rail.	53
41.8	Holcus Creek, bed, 19; rail.	24
42.3	Kier Creek, bed, 15; rail.	50
42.8	Somenos station.	83
43.1	Kier Creek, bed, 75; rail.	85
43.8	Davie Creek, bed, 96; rail.	103
44.7	Summit, ground, 156; rail.	146
47.0	Westholme station.	93
47.8	Hall Creek, bed, 13; rail.	23
49.0	Chemainus River, water, 11; rail.	28
52.0	Chemainus station.	103
52.1	Chemainus Creek, bed, 71; rail.	99
54.9	Creek, water, 137; rail.	163
56.0	Summit, ground, 181; rail.	177
57.0	Road crossing.	123
59.0	Oyster Bay siding.	58
62.0	Oyster Bay station.	63
63.1	O'Brien swamp, water, 89; rail.	96
64.0	Summit, ground, 121; rail.	118
65.2	Haslam Creek, water, 89; rail.	96
66.0	Nanaimo River, extreme high water, 68; low water, 43; rail.	133
68.0	Alexandra station.	128
69.8	Vancouver Coal Co. Ry. crossing, V. C. Co. Ry., rail, 64; E. & N. Ry, rail.	81
71.6	Chase River, water, 36; rail.	92
72.6	Summit, ground, 158; rail.	155
73.4	Nanaimo station.	125
78.0	Wellington.	377
Miles from Hazelton	EXPLORATORY SURVEY FOR RAILWAY—HAZELTON TO DEASE LAKE	
0	Hazelton, head of steamboat navigation, Skeena River.	725
7	Kispiox.	795
55	Grade, 3 miles below Alawkish River.	1,206
58	Alawkish River crossing, grade.	1,250
60	Kuldo.	1,280
67	Old Kuldo, site of.	1,385
125	Confluence of Sestoot and Skeena rivers.	2,256
144	Confluence of Bear and Sestoot rivers.	2,620
151-163	Bear Lake.	2,900
193.5	Divide between Bear Lake and Driftwood River.	2,920
190	Grade.	3,000
193.5	Skeena River crossing, grade.	3,190
216	Skeena-Stikine summit— By barometric levels from Hazelton.	4,410
	" " Dease Lake.	4,335
169	Summit between Lake Branch of Skeena and East Branch of Stikine River.	4,150
225	Confluence of Glacier and East branches of Stikine River.	3,790
240	Grade opposite Horn Mountain.	3,740
293	End of O'Dwyer's exploration (1898).	3,650
308	Stikine River, at mouth of Pitman or Blair River.	3,470
321	Stikine River, at mouth of Cottonwood Creek.	3,140

Miles from Hazelton	EXPLORATORY SURVEY FOR RAILWAY—HAZELTON TO DEASE LAKE	Elevation
341	Jones Creek crossing, grade.....	2,900
346	Summit between Moose Creek and Stikino River.....	3,614
348	Moose Lake.....	3,550
355	Valley of Moose Creek.....	3,380
366	Head of Ptarmigan Creek.....	5,000
372	Summit between Gnat and Ptarmigan creeks.....	5,300
375	Gnat River, water.....	5,132
380	Gnat River.....	4,460
384	Gnat Lake, water 4,140; grade.....	4,164
387	Gnat River, water.....	4,040
393	Tanzilla River, water 3,320; grade.....	3,370
402	Arctic-Pacific watershed.....	2,860
405	Dease Lake, south end.....	2,750
Miles from Skagway	WHITE PASS AND YUKON RAILWAY	
0·0	Skagway station.....	29
4·5	Boulder ".....	217
6·0	Viaduct ".....	456
7·0	Rocky Point station.....	646
9·0	Clifton ".....	877
12·0	Heney ".....	1,582
14·0	Glacier ".....	1,881
16·0	Tunnel ".....	2,214
20·5	Summit, of White pass, Coast Range, rail.....	2,897
24·5	Summit, highest point on line.....	2,952
25·0	Meadows station.....	2,939
28·0	Fraser ".....	2,780
33·0	Log Cabin ".....	2,928
41·0	Bennett ".....	2,170
	Lake Bennett, water.....	2,161
47·0	Pavy station.....	2,170
53·0	Fennington station.....	2,172
68·0	Caribou ".....	2,171
74·0	Lansdowne ".....	2,292
80·0	Lorne ".....	2,362
86·0	Wette-Lea ".....	2,452
89·0	Summit, rail.....	2,533
91·0	Robinson station.....	2,502
97·0	Cowley ".....	2,527
102·0	Dugdale ".....	2,437
107·0	Wigan ".....	2,372
109·5	Opposite White Horse rapids, rail.....	2,130
112·2	White Horse station.....	2,090

NOVA SCOTIA—SUNDRY ALTITUDES		Elevation
Annapolis County		
North Mountain, one mile S. E. of Port George.		450
" " three and one-half miles E. of Port William.		500
" " three miles S.E. of Chute Cove.		600
" " near Belleisle, P. O.		598
" " four miles N.E. of Annapolis.		590
" " near Lower Granville.		700
" " east side of Digby Gut.		610
South Mountain, near Bridgetown.		530
" " near Annapolis.		515
Antigonish County		
Tracadie, hills two miles S. of.		400
Sugar Loaf Hill (Antigonish).		760
Antigonish Harbour, P.O., hill one mile N.W. of.		600
George, Cape.		310
" " hills one mile W. of.		600
Sugar Loaf Hill (Malignant Brook).		680
Back Settlement Arisaig, hill two miles E.N.E. of.		1,010
" " hill one-half mile S. of.		1,000
Eigg Mountain.		1,000
Dunmaglass, hill one mile E.N.E. of.		800
Colchester County		
Cobequid Mountains, summit of Mapleton and Lower Five Islands road.		840
" " " Tatamagouche and Debert road.		710
" " " near Folleigh station.		800
Red Head.		500
Economy Point, hill behind.		500
Cumberland County		
Head of Amherst.		160
Boss Point, summit.		210
Springhill, summit.		610
Rodney corner.		625
Claremont Hill.		565
Windham Hill.		625
Westchester village.		745
Sutherland Lake.		730
Mapleton village.		210
Cobequid Mountains, summit of River Philip and Economy road.		890
" " " one mile N. of Farmington.		835
" " " one mile S.E. of Farmington.		895
" " " one mile S. of Westchester.		945
" " " two miles S.S.W. of Westchester station.		870
" " " four miles S.S.E. of "		990
The Cobequid Range 'extends, in a nearly east-and-west direction, along the north side of Minas Basin, with a width of nine or ten miles and a height of 900 or 1,000 feet, some of the culminating peaks probably reaching'.		1,100
Wentworth village.		210
Lower Wentworth village.		160
Mount Pleasant, cross roads north of.		195
Warren village.		225
Salem.		450
Little River village.		350
Chapman settlement.		110
Hansford Hill.		295
Chignecto, Cape, hill two miles E.N.E. of.		730
" " " six miles N.E. of.		890
Haute, Isle.		320
Cape Breton County		
Rhumore Cape, hill one mile south of.		600
Coxheath Hills, seldom exceed.		550
Cox Hill.		550
Shenacadie Hill.		670
George Mountain.		890
Boisdale Hills.		700

NOVA SCOTIA—SUNDRY ALTITUDES

Elevation

Digby County

Hill, west side of Digby Gut.....	560
South Mountain, west side of Bear River.....	460
Prim Point.....	400
Digby Neck, summit near Waterford, P.O.....	425
Long Island, summit of.....	210

Guysborough County

Middle Country Harbour, hill one mile N.W. of	455
" " " " hill two miles W.N.W. of	474
New Harbour River, hill near head of	380
Bear Hill, east of Ingersoll Lake.....	725

Halifax County

Halifax Citadel.....	227
Jeddore Head, summit	200
Clam Harbour, hill two miles north of.....	290
Sheet Harbour, hills at head of.....	200
Salmon River, hill one mile N.E. of mouth.....	300
Bedford Basin, hills to E. and W. of.....	330

Inverness County

Bear Hill.....	750
High Capes, lat. 47°.....	1,000
Poulet Cove, hill to south.....	700
Red Cape	900
Pleasant Bay P.O., hill two miles N.E. of	1,100
" " " " hill one mile S.W. of	1,270
White Capes.....	850
Cape Rouge, hill one mile N.E. of	1,260
Presqu'île, hill one mile E. of.....	1,000
Cheticamp Hills, north summit	1,100
" " " " south summit.....	1,130
Squirrel Mountain.....	1,220
Margaree, hill two miles E. of.....	830
" " " " one mile S. of.....	600
Marsh Point Hills.....	560
Mabou Highlands.....	1,000
Long Point Hills.....	700
Calder Hill.....	750
Dallas Brook Hill.....	768
Salt Hill.....	717
Craignish Hills, west summit.....	850
" " " " east summit	980
Little Narrows, hill two miles west of	820

Kings County

Blomidon, Cape.....	570
Split, Cape.....	400
North Mountain, summit, two and half miles S.E. of Shoal Point.....	500
" " " " four miles E. of Morden.....	500

Pictou County

Bailey Brook P.O. hill one mile, S.E. of	750
Piedmont, hill near.....	847
Dalhousie or Fitzpatrick Mountain.....	950
Heathbell, hill one mile E. of.....	546

Victoria County

St. Paul Island, north summit	400
" " " " south summit.....	500
North Cape.....	1,000
'North Cape district is an elevated plateau, with a mean elevation of 1,200 feet, and attaining, at some points, an elevation of'.....	1,500

NOVA SCOTIA—SUNDRY ALTITUDES		Elevation
Victoria County		
	Wilkie Sugar Loaf Mountain	1,200
	Black Head, hill one and half miles S.W. of	900
	Red Head	272
	Ingonish Mountain	1,392
	Ingonish Harbour, hill at head of	700
	Smoke Cape	950
	" hill behind	1,218
	North Shore P.O., hill two and half miles west of	900
	Hill one mile from mouth of McAskill Brook	960
	St. Anne Mountain	1,070
	St. Anne Harbour, hills at head of	500—600
	Cape Dauphin Hills, summit near Cape Dauphin P.O.	1,045
	" " " Otter Point	915
	" " " Port Bevis	740
	Bucklaw Hill	952
	Hunter Mountain	680
	Mackay Point	610
DARTMOUTH CANAL (abandoned)		
Miles from Dartmouth	Halifax Harbour at Dartmouth	0
0·0	Dartmouth Lake	67
0·7	First Shubenacadie Lake (summit level)	93·3
3·3	Second " "	63·3
7·2	Fletcher Lake	51
13·6	Great Shubenacadie Lake	38·2
16·4	Foot of lock No. 12	28·2
25·0	" Tremaine lock (No. 13)	18
27·5	" Black Rock lock (No. 14)	12
33·7	" Fort Ellis tide-lock	0
44·0		

ST. JOHN RIVER TO CHALEUR BAY		Elevation
From the Report of the Commissioners on the Northeastern Boundary (Elevations reduced to mean tide at St. John)		
Tobique River, two miles above Gulgnaac River.....		439
" " Blue Mountain.....		1,711
" " at mouth of Blue Mountain Brook.....		530
" " three miles above ".....		575
" " four miles below Nictau.....		583
" " two miles above North Fork.....		647
" " North Fork, nine miles from mouth.....		694
" " 1st portage, about twenty miles from Nictau.....		716
" " 2nd portage.....		750
" " 4th portage at Upper Forks.....		771
" " two miles above ".....		811
" " two and half miles above Upper Forks.....		879
" " three miles below Nictor.....		872
" " Nictor Lake.....		886
Bald Mountain (Nictor Lake).....		2,604
Rising ground, three miles N.E. of Nictor Lake.....		1,778
Ridge between Tobique and Nepisiguit rivers.....		2,200
Nepisiguit River, branch of.....		1,826
" " conical hill, one mile N.E. of last.....		2,151
" " high peak, three and half miles from conical hill.....		2,321
Side of range of hills forming divide between Nepisiguit and Upsalquitch rivers.....		1,611
Hill three miles from last.....		2,153
Upsalquitch River, small brook, running N.W.....		1,242
" " small brook, running S.E.....		1,561
" " head of lumber road.....		1,251
" " at lumber camp on branch.....		603
" " one and half miles from bank of river.....		981
" " hill two miles from lumber camp.....		1,303
" " one and half miles from last.....		952
" " West Br., three miles above forks.....		329
" " three miles S.W. up a brook.....		833
" " Main South Br., at Ramsay portage.....		379
" " Little South-east Br., at Ramsay's camp.....		649
" " " two miles east of Ramsay's camp.....		1,156
Hill, two miles east of Ramsay's camp.....		1,540
Hill, thirteen miles east of Ramsay's camp.....		1,326
Jacquet River, edge of.....		514
" " top of bank.....		1,045
Brook, in deep ravine, running east.....		739
Blue Mountain, north side of.....		1,172
Hill, one mile north-west of camp on Jacquet River (hill considerably higher on left).....		1,152
Camp near Big Hole Brook.....		1,426
Portage road from Nash Brook.....		280
Middle River, eight miles above Chaleur Bay.....		262
" " at falls.....		498
" " at Burnt camp.....		667
Two miles north-west of Burnt camp.....		807
Middle River, Ferguson's lower camp.....		904
" " Ferguson's upper camp.....		924
" " above Ferguson's upper camp.....		1,093
Two miles west of last station.....		1,243
Large brook.....		1,036
Range of hills running south-west.....		1,647
Hill.....		1,820
Hill.....		1,694
Small brook, running south.....		1,374
Top of ridge.....		1,667
Top of ridge.....		2,085
Ravine, running west.....		1,320
North side of ridge.....		1,516
Upsalquitch Lake.....		862
Upsalquitch Lake, mountain half-mile west of.....		1,815
Brook, branch of Nepisiguit River.....		1,142
Conical hill.....		2,294

Miles from St. John River	ROYAL ROAD	Elevation
0.0	St. John River at Pickard's mills.....	0
6.0	Plateau north of Nashwaaksis River.....	416
15.5	Divide between Nashwaaksis and Tay rivers.....	960
17.5	Tay River.....	750
25.0	Height-of-land between branch of Nashwaaksis and Tay rivers.....	1,133
27.0	Branch of Nashwaak River.....	640
33.5	Hill north of Nashwaak River.....	1,266
41.5	Summit between Nashwaak and Shiktehawk rivers.....	1,550
42-48	Sources of Beccaguinec, Nashwaak and Miramichi rivers.....	1450-1550
56.5	Shiktehawk River.....	760
60.0	Summit between Shiktehawk and Monquart rivers.....	1,660
62.5	Monquart River.....	1,000
66.0	Summit between Monquart River and Trout Brook.....	1,540
68.0	Trout Brook.....	1,060
71.7	Trout Brook.....	500
74.5	Tobique River.....	316
85.0	Summit between Tobique and Little Salmon rivers.....	1,000
90.0	Little Salmon River.....	366
96.5	Summit between Little Salmon and Fall rivers.....	680
100.0	Fall River.....	400
MOUTH OF GOOSE RIVER TO SUSSEX—Barometric section		
	Goose River at mouth.....	0
	" two miles from mouth.....	950
	" five miles from mouth.....	1,045
	Shepody road.....	1,083
	Chapel on Sussex road.....	1,140
	Hill east of chapel, estimated (hills west of chapel may be 100 feet higher).....	1,340
	Sussex, Intercolonial Ry. station.....	69
ST. JOHN RIVER		
	At mouth, ordinary high water, spring tides.....	12.67
	At Fredericton bridge, extreme high water, 33.8; high water, 18.3; extreme low water, 10.3; mean water.....	14.3
	At Canadian Pacific Ry. bridge near Upper Woodstock, low water.....	99
	" " " Perth, high water.....	237
	Foot and head of Grand falls, by Canadian Pacific Ry. levels.....	294-413
	Foot and head of Grand falls, by levels of Northeastern Boundary Commission.....	300-419
	Intersection with International boundary (Boundary Commission).....	419
	At St. Francis.....	550
	Mouth of St. Francis River.....	606
RESTIGOUCHE RIVER		
	At Intercolonial Railway bridge, freshet water 31; summer water.....	13
	Mouth of Upsalquitch River.....	50
	Chain-of-rocks rapid.....	100
	Mouth of Red Pine Brook.....	170
	Mouth of Patapedia River.....	220
	Mouth of Tracy Brook.....	265
	Mouth of Kedgewick River.....	325
	Mouth of Gouanamitz River, high water 471; low water.....	465
PATAPEDIA RIVER		
	At confluence with Restigouche River.....	220
	Mouth of Rivière Sauvage.....	325
	Mouth of Pollard Brook.....	455
	Mouth of Awaganesees Brook.....	660
KEDGEWICK RIVER		
	Confluence with Restigouche River.....	325
	Mouth of McDougall Brook.....	540
	Mouth of States Brook.....	565
	Hill north-east of Kedgewick River, near mouth of States Brook.....	1,300
	General level of country.....	1,400-1,500

UPSALQUITCH RIVER		Elevation
Confluence with Restigouche River.....		50
Mouth of Grog Brook.....		85
Mouth of Boland Brook.....		115
Mouth of Northwest branch.....		180
Mouth of Meadow Brook.....		400
MAIN NORTHWEST MIRAMICHI RIVER		
Mouth of Big Sevogle Brook.....		50
Chaplin Island.....		70
Portage River.....		118
Tomogonops River.....		170
Sevogle River at 'Square Forks'.....		175
LITTLE SOUTHWEST MIRAMICHI RIVER		
Head of settlement, twelve miles from mouth.....		125
Mouth of Catamaran Brook.....		150
NEPISIGUIT RIVER		
Foot of Pabineau falls.....		40
Middle landing.....		95
Foot of Grand falls.....		167
Upper basin, Grand falls.....		252
Foot of 'Narrows'.....		292
Head of 'Narrows'.....		312
Mouth of Nine-mile Brook.....		400
Mouth of Fortynine-mile Brook.....		460
Half-mile above Fortynine-mile Brook.....		525
Foot of Indian falls (Geological Survey).....		575
(Ganong).....		632
Country to south of river, at Indian Falls.....		1,265
Country north of river, below mouth of Fortyfour-mile Brook.....		1,165
At foot of Mount Cartier.....		715
At mouth of Portage Brook (Geological Survey).....		720
(Ganong).....		843
Second Nepisiguit Lake.....		980
Nepisiguit Lake (Geological Survey).....		996
(Ganong).....		1,011
NEW BRUNSWICK—SUNDRY ALTITUDES		
Albert County		
Hopewell Cape, hill to west.....		450
Albert, hill two miles N.W. of.....		800
Albert, hill five miles N. of.....		1,230
New Horton.....		270
Matthews Head.....		712
New Ireland.....		1,100
Red Head, hill immediately behind.....		660
Shepody Mountain.....		1,060
Elgin corner.....		373
Elgin, hill three miles east-south-east of.....		1,200
Fork of road at Golden Falls.....		1,200
Golden Mountain.....		1,150
Alma, summit of plateau to north.....		1,290
Church Hill.....		1,200
Caledonia Mountain.....		1,240
In Albert county 'the crystalline ridge or plateau which stretches along the northwest side of the Bay of Fundy rises in broken ridges to an altitude of'.....		1,300-1,400

NEW BRUNSWICK—SUNDRY ALTITUDES		Elevation
Carleton County		
Iron-ore Hill.....		680
Johnville.....		640
Gordonville.....		840
Smith corner, hill south of.....		1,415
Pole Hill.....		935
Foreston, hill two and half miles north-west of.....		1,330
Glassville.....		770
South Knowlesville.....		770
Skedaddle Ridge.....		1,425
Cloverdale.....		350
Moose Mountain.....		1,490
Beaufort settlement, hill one mile east.....		1,175
Newburg settlement.....		565
Blowdown settlement, hill north of.....		539
Union corner.....		640
Ivy corner.....		670
Richmond corner.....		620
Jacksonville P. O.....		360
Scott settlement.....		470
Watson settlement.....		570
Briggs corner.....		540
Lindsay.....		450
Waterville.....		315
Ashland.....		510
Farmerston.....		305
Bloomfield corner.....		515
McCafferty settlement.....		455
Centreville.....		375
Henderson corner.....		630
Gilmors Mills P. O.....		510
Knowlesville.....		725
Greenfield.....		775
Wicklow.....		260
Upper Knoxford.....		635
Canaan settlement.....		540
Flagstaff Hill.....		585
Golden Ridge.....		1,500
Kilfoil, hill three miles east.....		1,450
Carlów, cross roads.....		755
Charlotte County		
Victoria Lake.....		495
Pleasant, Mount.....		1,175
Eagle Mountain.....		854
Blair, Mount.....		610
Chamcook Hill.....		637
Grand Manan Island, Marks Hill.....		290
Utopia Lake, hill near outlet.....		510
Gloucester County		
Robertville.....		400
St. Louise.....		250
Paquetville.....		210
Kent County		
Bass River settlement.....		155
Girvan settlement.....		138
Spring Brook settlement.....		158
Pelerin settlement.....		266
Galloway settlement.....		110
Scotch settlement.....		250
Country between heads of Salmon and Richibucto rivers.....		145-150
Country at head of Canaan River.....		250-260
Lake settlement.....		145
Bishopsland.....		286

NEW BRUNSWICK—SUNDRY ALTITUDES		Elevation
Kings County		
Bald Mountain (Ganong)		1,430
(Murdoch)		1,390
(Geological Survey)		1,120
Bull Moose Hill		750
Kingston Peninsula, ridge at south end		600
Hillsdale, hill four and half miles north-east of		1,223
Fowler corner, hill near		675
Londonderry, hill north of		1,250
Cripp Hill		1,225
Mechanic Settlement P. O., hill four miles south-west of		1,400
Kars		288
Scotch settlement		660
East Scotch settlement		520
Callina corner		475
Snider Mountain		720
Fenwick P. O.		605
Jordan Mountain		775
Whites Mountain		790
Springhill		450
Perry settlement		440
Picadilly Mountain		1,000
Pollet Lake		968
Shepody Road, P. O.		850
Barnesville		470
Markhamville, at manganese mine		700
Markhamville, hill, one mile north of mine		1,045
Salt Springs, P.O., one mile west of		300
Saddle Back settlement		1,000
Campbell Settlement P.O., hill east of		1,050
Pleasant Lake		1,200
Long settlement		1,200
Waterford, P.O.		840
Jeffrey, P.O.		375
Lakefield		500
Wanamake		650
Madawaska County		
Green River Mountain		1,600
Northumberland County		
Hind Lake		1,450
McInnes Lake		1,465
Adder Lake		1,350
Serpentine Lake (Ganong)		1,340
(Geological Survey)		1,450
Serpentine River, stillwater, six miles below Serpentine Lake		1,212
Doaktown, plateau south of		400
Height-of-land between Cain and Gaspereau rivers		270
Hills west of confluence of Monahan Brook and Renous River		800
Blackville, plateau northwest of		300
Pleasant Ridge		590
Dungarvan River, headwaters of		1,015
Black River settlement		100
Nepisiguit River at Indian Falls, hills three miles S.E. of		1,500
Bartibog settlement, cross roads		250
Nalaik Mountain, at lower end of Serpentine stillwater		2,520
Teneriffe, Mount		2,108
La Tour, Mount		2,090
Denys, Mount (Ganong)		1,893
(Geological Survey)		1,922
Enaud, Mount or Bald-face Mountain		1,690
Nictor-Nepisiguit portage, at crossing of Caribou Brook		984
First Nepisiguit Lake (Geological Survey)		996
(Ganong)		1,011
Second Nepisiguit Lake (Geological Survey)		980

NEW BRUNSWICK—SUNDRY ALTITUDES		Elevation
Northumberland County		
Nepisiguit River, at mouth of Portage Brook		843
" " at camp near foot of Mount Cartier		715
" " at lower end of Indian falls		632
" " at mouth of Nine-mile Brook		429
Carleton, Mount (Ganong)		2,646
(Ganong and corrected levels of Boundary Commission, 1840, combined)		2,716
Head, Mount		2,439
Bald Mountain (Nepisiguit)		1,922
Bald Mountain (Lower South Branch)		2,500
Upsalquitch Lake		790
Upsalquitch Lake, mountain north-west of		2,186
Mountainous country between Nepisiguit and Upper Southwest Miramichi River: general level 1,200-1,300, with peaks rising to	2,600-2,700	
Little Bald Mountain (Northwest Miramichi R.)		2,075
Restigouche County		
Nictor Lake (Boundary Commission, 1840, corrected)		886
(Ganong)		864
(Geological Survey)		828
mean of above		847
Sagamook or Big Bald Mountain (Ganong)		2,497
(Geological Survey)		2,537
(Boundary Commission, 1840, corrected)		2,604
Gordon, Mount		1,552
Bailey, Mount		1,714
Franquelin Hill		1,239
Gardens Hill		1,164
Dalhousie, Mount		715
Slate Mountain		2,000
Squaw Mountain		2,000
Sugar Loaf Mountain (Campbellton)		950
Central watershed, between Gulf of St. Lawrence and Bay of Fundy	800-1,000	
St. John County		
Cape Spencer, hill two and half miles E. N. E. of lighthouse		667
Rogers Head		400
Round Head		380
Little Salmon River, hill near mouth of		650
Goose River, hill near mouth of		735
Latimore Lake		302
Douglas Lake		230
Loch Lomond		302
Menzie settlement		150
Willow Grove		307
Hardingville		430
Wood Lake		522
Otter Lake		345
Queens County		
Headline settlement, cross roads		495
Clones settlement		400
Fredericton road, side road to Enniskillen station		435
Olinville		400
Hibernia		700
Bald Hill		700
McDonald corner, one and half miles west of		360
English settlement, side road		565
Canaan River, at mouth of Coy Brook		95
Sunbury County		
Hardwood Ridge settlement		400
Doherty corner		322
Boyne settlement		365

NEW BRUNSWICK—SUNDRY ALTITUDES

Elevation

Sunbury County

Darby Gillians	400
Victoria settlement	325
Greenfield settlement	175
Peltoma settlement, hill three miles N.E. of	690

Victoria County

Trousers or Tobique Lake (Ganong)	1,243
(Geological Survey)	1,360
Milpago or Mud Lake	1,333
Gulquac Lake	1,330
Grays Lake	1,370
Merithew Lake	1,390
Indian Lake	1,405
Trout Lake	1,445
Furbish Pond	1,470
Long Lake (Ganong)	1,256
(Geological Survey)	1,370
Milnagek or Island Lake	1,510
Crest of watershed ridge between Long Lake and Little Southwest Miramichi Lake	1,731
Kincardine settlement, hill one mile east	1,465
Birch Ridge	840
Four Falls	365
Arroostook Portage P.O.	625
California P.O.	670
Third Lake, Don branch of Tobique River	1,248
Portage from Third Lake to Portage Lake, summit	1,508
" " " first beaver pond	1,418
" " " second beaver pond	1,275
Portage Lake	1,268
Hind Lake	1,450
McInnes Lake	1,465
Nictau or forks of Tobique River	576
Blue Mountain (Boundary Commissioners, corrected)	1,597
(Geological Survey)	1,724
Bald Head or Riley Mountain	1,866
Tilley Settlement	650
Ridge on Kintore and Red Rapids road	1,095
Andover, hill two miles west of	735

Westmoreland County

Irishtown	400
Summit between Dover and Memramcook	393
Moncton road, highest point	195
Beech Hill	400
Aboushagon P.O.	216
Halls Hill	150
Folly Point	315
Mount Uniacke	210
Dorchester Cape, summit	300
Emigrant settlement	135
Maringouin, Cape	220
Cape Bald settlement	100
Lutes or Indian Mountain	450
Steeves Mountain	373

York County

Cherry Hill	808
Fredericton, plateau above	418
Skiff Lake	650
Carrol Ridge, near Skiff Lake	1,000
Pemberton Ridge	750
Peltoma settlement	550
Oromocto Lake	415
Oromocto Lake, ridge south of	565
Oromocto Lake, ridge west of	550

NEW BRUNSWICK—SUNDRY ALTITUDES		Elevation
York County		
Grand and North Lakes, hills north of	750-800	
Canterbury, hill one mile north-east of	750	
Country between Taxis and Nashwaak rivers.	900-1000	
Boiestown and Fredericton road, summit about four miles south of Boiestown	650	
Manners Sutton P. O.	575	
Roach settlement	465	
Allandale settlement	575	
Nortondale settlement	470	
Cross Creek settlement	715	
Green Hill settlement	725	
Williamsburg settlement	1,050	
Campellton settlement	660	
Gordonvale settlement	830	
Stanley village	330	
Cranberry Lake	486	
George Lake	430	
First Eel River Lake	520	
Second Eel River Lake	550	
Magaguadavic Lake	377	
Bald or Wadawamketch Mountain (Cranberry Lake) ..	900	
Fifth Digdeguash Lake, hills to west of	525	
Magundy P. O., hill to west of	750	
Prince William P. O., hill two miles south-west of ..	725	
Springfield Hill	700	
McLeod Hill	416	
Howland Ridge	945	
Upper Hainesville, hill two miles north of	1,100	
Maple Ridge	875	
North Lake, hill one mile south-east of	900	
Mapleton	690	
Lower Caverhill settlement	760	
New Zealand settlement	465	
Zionville settlement	620	
Mount Hope	400	
Upper Durham settlement, east of	620	
Richibucto road, one mile west of county-line	385	
NEW BRUNSWICK AND MAINE BOUNDARY		
St. Croix River—		
Grand falls, foot	154	
" head	182	
Spednic falls, foot	190	
" head	203	
Canoose ripples, foot	212	
" head	219	
Haycock ripples, foot	224	
" head	230	
Meeting-house ripples, foot	234	
" head	241	
Hog Island ripples, foot	250	
" head	261	
Rocky ripples, foot	262	
" head	271	
Cedar Island ripples, foot	291	
" head	302	
Pork ripples, foot	309	
" head	321	
Little falls, foot	321	
" head	326	
Sandy Bay	378	
Palfrey Lake	378	
Chiputneticook Lake	378	
Mud Lake	418	
North Lake	427	
Grand Lake	427	

Miles from Monument	NEW BRUNSWICK AND MAINE BOUNDARY	Elevation
0.0	Monument at source of East Branch St. Croix River.....	539
1.5	Alder Brook, water.....	449
2.8	Mud Brook.....	487
5.0	Winey Brook.....	531
10.5	Stream (near crossing of Houlton branch, Canadian Pacific Ry.)..	536
11.6	Parks Hill, highest part on line.....	814
19.4	South branch Meduxnakeag River, water.....	365
22.5	North branch Meduxnakeag River, water.....	326
23.3	Northeast branch Meduxnakeag River ('The Dead Stream'), water.....	337
26.0	" " " " " ".....	400
27.5	" " " " " ".....	411
33.0	Hill, highest part on line.....	616
34.9	Presque River, water.....	322
38.8	Latitude of Mars Hill.....	527
	Mars Hill (in Maine, one mile west of line).....	1,688
42.6	Guisguet River, water.....	460
44.1	Hill, highest part on line.....	750
45.3	River des Chutes, water.....	412
47.3	Blue Hill, highest part on line.....	1,071
50.6	Camp Brook, water.....	679
57.7	Aroostook Hill, highest part on line.....	885
58.9	Aroostook River, water.....	345
60.2	Hill, highest part on line.....	717
62.1	Limestone River, water.....	399
65.2	" " " " " ".....	476
69.7	Province Branch Limestone River, water.....	598
71.7	Pekonk Hill.....	847
74.0	Rap. de Femme Brook, water.....	597
74.9	North Br. Rap. de Femme Brook, water.....	601
75.8	Hill, south side of St. John River.....	772
77.2	River St. John, at head of Grand falls.....	419
HEIGHT-OF-LAND BETWEEN RIVER ST. LAWRENCE AND THE GULF OF ST. LAWRENCE AND ATLANTIC OCEAN		
NOTE.—These altitudes were measured by Major J. D. Graham, U.S.A., along the line claimed by the United States as the northern boundary of Maine and New Hampshire. Commencing at the intersection of a due north line from the St. John River at Grand falls with the water-parting between the Restigouche and the St. Lawrence—the so-called 'North-west Angle of Nova Scotia'—it follows the height-of-land to the source of Hall Stream.		
	Near the north end of exploring meridian line from St. John River at Grand falls (so-called 'North-west angle of Nova Scotia').....	1,519
	Six miles south of head of L. Johnson.....	1,372
	Three and half miles south of head of L. Johnson.....	1,677
	Johnson or Mistigouche Lake.....	1,027
	At north end of Kedgewick Lake.....	1,841
	At head of Kedgewick River.....	1,557
	Folliot Lake (Rimouski River).....	1,069
	" " hill at lower end.....	1,540
	West Br. Kedgewick River, hill three miles N. E. of source lake.....	1,638
	" " height-of-land at source lake.....	1,249
	Rimouski Lake, hill east of.....	1,639
	Green River and Kedgewick portage, hill near north end.....	1,868
	" " hill near south end.....	1,787
	South Br. Kedgewick River, hill near head.....	1,702
	Lake Tiarks, hill near head of.....	1,882
	Tracy Brook (Goodrich Fork), near source.....	1,814
	Neminegun Lake, hill near inlet.....	1,511
	Island Lake, hill near outlet.....	1,231
	Seven Lakes, near head of.....	1,235
	St. Honoré, hill three miles north-east of.....	1,807
	" " four miles south of.....	1,979
	" " three miles west of.....	1,825
	Hill near Little St. Hubert Lake.....	1,297
	St. Francis station, near.....	1,330
	Parke tp., near headwaters of River Verte.....	2,231
	Pohengamook tp., north-west corner, near small lake.....	1,662

HEIGHT-OF-LAND BETWEEN RIVER ST. LAWRENCE AND
THE GULF OF ST. LAWRENCE AND ATLANTIC OCEAN

Elevation

Chabot tp., north-east corner	1,849
Woodbridge tp., south-east corner	1,878
Painchand, centre of tp., near source of Manix River.	1,936
Chapais tp., near Lake Ste. Anne	1,868
Lafontaine tp., in north-western portion, near headwaters of R. du Gue.	1,600
Garneau tp., in north-east corner	1,898
Fournier tp., south-west corner	1,440
Arago tp., north-east corner	1,410
" east of Lake d'Apique	1,567
" west of Lake d'Apique	1,664
Patton tp.	1,403-1,720
Montminy tp., eastern portion	1,727
Roux tp., north-eastern portion	2,358
" lot 35, con. V	1,972
Ware tp., lot 5, con. XIV	1,995
Lake Etchemin	1,213
Cranbourne tp., Snowshoe pond, lot 40, con. XI	1,405
Langevin tp., lot 13, con. XII	1,753
" near Langevin P.O.	1,260
" lot 30, con. IV	1,340
" lot 48, con. I	1,450
Metgermette North tp., near Lake Abenaqui	1,567
Metgermette portage, hill two and half miles south	2,012
The height-of-land, between Metgermette portage and source of Hall Stream, forms part of the International boundary between the United States and Canada.	
Metgermette South tp., con. II	1,995
" " Portage Lake	1,590
" lot 10, con. XII	2,338
Liniers tp., lot 110, con. II, sec. C	2,400
Risborough tp., lot 3, con. I	2,053
" lot 13, con. II	2,835
" lot 17, con. II	1,858
" Hogsback Hill	2,381
" lot 19, con. XI	1,685
Ditchfield tp., Moose Hill	2,862
Louise tp., two and half miles from north-east angle	3,113
" at headwaters of Spider River	1,554
Woburn tp., Mount Gosford	3,658
" two miles S.W. of Mt. Gosford	3,172
" lot 18, con. V	2,225
Chesham tp., Saddleback Mountain	3,198
" lot 25, con. X	2,288
" near N.E. angle of New Hampshire	2,568
Emberton tp., lot 6, con. IV	3,408
" lot 22, con. IV	2,376
" lot 32, con. III	2,800
" lot 50, con. I	2,282
Auckland tp., lot 23, con. VIII	1,960
" at head of Hall Stream	1,825
* Between the Metgermette portage and Lake Etchemin the minimum height is (L. Etchemin) 1,213 feet; maximum	
Between Lake Etchemin and River Ouella, minimum is 1,306; maximum ..	1,718
Between the head of the River Ouella and the Temiscouata portage, minimum is 853; maximum	2,854
Between first crossing of the Temiscouata portage and Mount Paradis, mini- mum is 906; maximum	2,231
Between Temiscouata portage and head of the Baibouscache, minimum is 676; maximum	1,983
Between the head of the Baibouscache and Rimouski Lake, minimum is 651; maximum	1,510
Between Rimouski Lake and the 'Northwest angle', minimum is 1,014; maxi- mum	1,824
	1,841

* Executive Documents, 27th Congress, 3rd Session, 1842-43.

LAKE ST. JOHN TO MISTASSINI AND WASWANAPI LAKES	Elevation
(Measurements by H. O'Sullivan, P.L.S.)	
NOTE—As the published elevations were based on an assumed elevation of 300 feet for Lake St. John, a uniform addition of 15 feet has been made to reduce to mean sea-level.	
Chegobish Lake	1,106
<i>Nikabau River—</i>	
Nikabau Lake	1,165
Jordan "	1,171
Obamiskachi Lake	1,175
Branch Lake	1,179
Narrow Ridge Lake	1,205
Whitefish Lake	1,235
Height-of-land between River St. Lawrence and Hudson Bay	1,290
<i>Obatagama River—</i>	
Lake at west end of Height-of-land portage	1,240
Obatagama Lake	1,135
Lake on Mistassini canoe-route, lat. 49° 41'	1,169
Lake-expansion, lat. 49° 35' N.; long. 74° 38' W.	1,127
Pres'île Lake	1,074
Mouth of large tributary from south lat. 49° 41' N.; longitude 74° 55' W.	1,060
" " " south lat. 49° 40' N.; longitude 75° 09' W.	1,003
" " " east lat. 49° 45' N.; longitude 75° 07' W.	990
Lake-expansion, long. 75° 22'	932
Mouth of Chibougamau River	901
Confluence with Waswanipi River	763
<i>River du Chef—</i>	
River du Chef, at confluence with Nikabau River, 'The Forks,'	928
Foot and head of Moose portage	944 954
Mouth of River Azianne	962
Three-quarters of mile below Bouleau portage	997
Mouth of River Nestaokano	1,075
Mouth of Otter Creek	1,135
Foot of Petite Grande Mère	1,180
Mouth of Petite Meule River	1,200
Head of two portages	1,260
At foot and head of Swampy portage	1,275-1,333
Old-man Lake	1,345
At foot and head of Old-man portage	1,350-1,400
Canoe Lake	1,420
Loon Lake	1,465
File-axe Lake	1,485
Height-of-land between River St. Lawrence and Hudson Bay	1,515
Perch River, at west end of portage from height-of-land	1,475
Perch River, at east end of portage to Lake Mistassini	1,230
Lake Mistassini	1,215
Lake Mistassinis	1,261
Lake Clair	1,259
Sikawako River, at mouth of Lake Clair Brook	1,240
Porcupine Mountain, near last	2,140
<i>Foam-fall River—</i>	
Askitichi Lake	1,204
Lake-expansion, lat. 49° 09'	1,206
Kapadigoitch Lake	1,207
Normandin Lake	1,290
Height-of-land between Foam-fall and Clearwater rivers	1,390
<i>Clearwater River—</i>	
Clearwater Lake	1,341
Lake-expansion, lat. 48° 48'	1,293
Pemisaskaash Lake	1,260
<i>St. Maurice River—</i>	
Sandy-beach Lake	1,237
Assiwanan, Lake	1,235
Travers, Lac de	1,227

LAKE ST. JOHN TO LAKE MISTASSINI AND NIKABAU LAKE
TO DESERT

Elevation

(Barometric observations by J. Richardson in 1870)

St. Maurice River—Con.—

Shagois Lake	1,217
At Kikendatch... ..	1,215

Ashwamuchuan River—

Head of Rocky portage	365
Head of St. Ange portage	404
Head of Bear portage	489
Foot of Stony portage	512
Head " "	543
Head " "	545
Foot of Pumakaw rapid	580
Head " "	617
Mouth of Big Stony River	643
Head of Flat rapid	676
Head of White Spruce rapid	706
Head of Hawk Mountain rapid	1,200
Hawk Mountain, on east bank	718
Foot of Chaudière Falls	838
Head " "	853
Mouth of Chegobish River	875
Head of "The Two" portages	894
Mouth of Pike River	922
Head of First Step portage	943
Mouth of Step Portage Brook	959
Mouth of La Loche Brook	1,250
Hills to east of river	975
'The Forks', junction of du Chef and Nikabau rivers	

Nikabau River—

Head of 3rd portage from forks	1,000
Head of 4th "	1,060
Head of 5th "	1,115
Mouth of Sap-tree River	1,178
Ashwamuchuan Lake	1,184
Head of Pole rapid	1,207
Head of Two Portage rapid	1,227
Head of Crooked rapid	1,251
Nikabau Lake	1,266
Branch "	1,278
Narrow Ridge Lake	1,286
Whitefish Lake	1,306
Patrick Mountain	1,750
Height-of-land between River St. Lawrence and Hudson Bay	1,359

Obatagamau River—

Foot of Cypress portage	1,239
Foot of Bear portage	1,224
Obatagamau Lake	1,206
Chibougamau Lake	1,247
Paint Mountain	1,500
Sorcerer Mountain	1,675
Juggler Mountain	1,600
Long Lake	1,367
Portage, Chibougamau to Wakonichi, summit	1,485
Wakonichi Lake	1,440
Hill at south-west extremity of Wakonichi Lake	1,840
Wakonichi Hill	1,640
Moss-covered Mountain	1,825
Lake Mistassini	1,381

'The length in a straight line between the extremities of the north-east and south-west bays is nearly 100 miles, the average breadth of the main body being about 12 miles. . . . To the south of Mistassini, and running north of east is a ridge of hills forming an escarpment about 300 feet high and constituting the height-of-land.'

Foam-fall River—

Nikabau Lake	1,266
Askitichi Lake	1,288

LAKE ST. JOHN TO LAKE MISTASSINI AND NIKABAU LAKE TO DESERT	Elevation
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<i>Foun-fall River—Con.—</i>	
Kapadigoitch Lake.....	1,290
Head of Foam-falls.....	1,332
Normandin Lake.....	1,360
Watershed between Foam-fall and Clearwater Rivers.....	1,418
<i>Clearwater River—</i>	
Clearwater Lake.....	1,393
Natouah Lake.....	1,340
Pemiskassh Lake.....	1,305
<i>River St. Maurice—</i>	
Sandy-beach Lake.....	1,289
Assiwanap Lake.....	1,289
Travers, Lac de.....	1,288
Hills six or seven miles south-east of Lac de Travers.....	1,075-1,875
At Kikendatch.....	1,275
<i>Hair-cutting Portage—</i>	
Loon Lake.....	1,345
Water-swamp Lake.....	1,395
Kowpettap Lake.....	1,240
<i>Hair-cutting River—</i>	
At end of portage to Kikendatch.....	1,230
Great Beaver Lake.....	1,415
Hair-cutting Lake.....	1,510
Watershed between Hair-cutting and Gatineau rivers.....	1,514
<i>Gatineau River, South Branch—</i>	
At west end of portage.....	1,500
Skunk Lake.....	1,482
White Bear Lake.....	1,450
Hills three or four miles south-east of White Bear Lake.....	1,750-1,850
At "Great bend".....	1,340
Two and half miles below Montopakush portage.....	1,230
Hills below Montopakush portage.....	1,350-1,750
At bend forty-nine miles above forks.....	1,232
Thirty-nine miles above forks.....	1,160
'Between thirty-seven and forty-nine miles above the forks the hills show occasional rocky summits'.....	1,375-1,675
Twenty-nine miles above forks.....	1,079
Mouth of Blueberry River.....	1,059
Head of rapids, ten miles above forks.....	1,015
'The Forks,' junction of North-west and South-east branches.....	815
<i>Gatineau River—</i>	
Head of Long rapid.....	700
Foot of ".....	630
Foot of Dog portage.....	625
Foot of Sturgeon chute.....	516
Hamilton's farm.....	516
Mouth of Gens de Terre River.....	511
Head of Backing-up portage.....	447
Foot of Mountain portage.....	412
Foot of Brulé portage.....	402
Foot of Big Eddy portage.....	394
Foot of Castor Blanc portage.....	390
Foot of Joseph portage.....	376
Foot of Portage des Eaux.....	370
Mouth of Desert River.....	369

ROUGE RIVER

At confluence with Ottawa River, summer water.....	130
Head of cascades, at Cousin's.....	329*
At smooth water, below Moore's.....	358*
Head of Hindleg rapid.....	376*
Head of Upper fall, Island chute.....	413*
Head of Burst-bag rapid.....	422*
Foot of Bell chute.....	435*

* The altitudes marked with an asterisk are approximately correct

ROUGE RIVER		Elevation
Head of Bell chute		454*
Head of Otter chute.....		462*
Mouth of Maskinongé River.....		469*
Head of Mountain chute.....		578*
Foot of Bevan or Cutlog rapid		605*
Head of Bevan or Cutlog rapid		622*
Foot of Devil rapid.....		633*
Mouth of Devil River.....		649*
Mouth of George Brook.....		670
Foot of Iroquois chute.....		674
Head of Iroquois chute.....		688
<i>George Brook—</i>		
At confluence with Rouge River.....		670
Lake Simon.....		702
Second small lake.....		785
Lake of Three Mountains.....		788
Green Lake.....		864
First lake N.W. of Lake of Three Mountains.....		846
Second " " ".....		862
Third " " ".....		875
Fourth " " ".....		948
<i>Lakes and hills east of Rouge River—</i>		
Rouge River, at foot of Iroquois chute.....		674
Small lake on Trembling Lake portage.....		869
Long Lake.....		854
Great Beaver Lake.....		843
Trembling Lake.....		761
Pool below cascade at outlet of Trembling Lake.....		732
Trembling Mountain.....		2,474
Cone Mountain.....		1,370
QUEBEC—SUNDRY ALTITUDES		
Abitibi District		
Waswanipi Lake.....		680
Patikamiki Lake.....		744
Patikamiki Lake, hill west of inlet		1,250
Wetetnagami Lake.....		1,065
Makustigan Lake.....		1,140
Divide between Wetetnagami and Migiskun Rivers.....		1,150
<i>Migiskun River—</i>		
At mouth of Wedding River.....		700
Divide between Wedding River and Otter Creek (Waswanipi River).....		920
Small lake-expansion, four miles below mouth of Kiask River.....		722
Shabogaina Lake.....		850
Obaska Lake.....		882
Simon Lake.....		915
Height-of-land between Obaska branch and Grand Lake Victoria.....		1,000
At junction with canoe-route from Waswanipi via Wetetnagami River ..		1,080
Lake-expansion at old H. B. Co. post		1,112
Mouth of Kekek River.....		1,125
Height-of-land between Migiskun and Kapitachuan rivers.....		1,295
Abitibi, Lake.....		830
Agotawekami Lake.....		875
Obikoba, Lake.....		862
Mattawagosik Lake		840
'About a mile and a half south-west of Lake Mattawagosik, two remarkable hills rise to'		1,530
Ashuanipi District		
Ossakmanuan Lake.....		1,600
Attikonak Lake.....		1,700
Height of land between Attikonak and Romaine rivers.....		1,750
Menihék lakes		1,750

* The altitudes marked with an asterisk are approximately correct.

QUEBEC—SUNDRY ALTITUDES		Elevation
Ashuanipi District		
Petitsikapau Lake		1,675
Sandgirt Lake		1,650
Jacopie Lake		1,630
Winokapan Lake		750
Hamilton River, at foot of Grand falls		900
" head of Grand falls		1,202
East Main River at Sandy portage		1,400
Patamisk Lake		1,800
Bonaventure County		
Scaumenac, Mount.		1,745
Battery Point, hill two and half miles N.W. of		1,500
St. Louis Mountain		1,000
Carleton, Mount		1,830
Tracadigash Mountain		1,230
West Point.		400
Brome County		
Sutton Mountains, nearly		3,000
Owls Head Mountain		2,400
Massawippi Mountain		1,350
Charlevoix County		
Cape Eternity		1,500
Point à l'Abattis, peak two miles W. of		2,530
Grande Pointe, peak, two miles W. of		2,650
St. François Xavier, peak one and half miles N.W. of		1,970
Cape de la Baie, peak one mile N.W. of		2,067
Coudres Island, summit		390
Les Eboulements, Mount.		2,551
Les Eboulements, church		1,186
Murray Mountains, south peak		2,050
Murray Mountains, north peak		2,300
River Noire, peak six miles N.W. of mouth		1,870
Eagle Cape		807
Cape Dogs, peak behind		1,395
Gaspé County		
Magdalen Islands—		
Great Bird Rock		105
Bryon Island		200
Cape Alright		400
Alright Island, summit		420
Grindstone Island, summit		550
Amherst Island, summit		550
" Demoiselle Hill		280
Entry Island, summit		580
Grosse Isle, west point		300
Anticosti Island—		
Summit		700
Bear Head		400
Table Head		260
Cape Sandtop		120
'The most elevated points on the south coast are at the mouth of Jupiter River, where cliffs rise on the east side to the height of from 80 to 100 feet, and on the west side to 150 feet. The whole of the north side of the island is a succession of ridge-like elevations of from'		200—500
Macastey Ridge, eleven miles from the west end, upwards of		400
High Cliff, eighteen miles east of Macastey Ridge		500
West Cliff		400
Charleton Point, one and quarter miles inland		400
Bonaventure Island		400
Percée Rock		288

QUEBEC—SUNDRY ALTITUDES		Elevation
Gaspé County		
Gaspé, Cape.....		692
Percée, or Table Roulante Mountain.....		1,230
Douglastown Mountain.....		1,500
Gaspé Basin, hill opposite.....		1,505
St. Alban Mountain.....		1,170
St. Joseph Mountain.....		1,000
Little Capes.....		1,000
Fame Point Mountain.....		1,000
Chlorydorme Mountain.....		1,000
Louis, Mount.....		1,000
"Shickshock Mountains: their altitude increases as they proceed eastward so that, in the neighbourhood of the Ste. Anne and Cap Chat rivers, many of the main peaks have an elevation of more than".....		3,500
Terrace Mountain, east peak.....		1,937
Richardson Peak.....		3,700
Richardson Peak, summit one mile north of.....		3,500
Albert, Mount.....		3,560
Barn Mountain.....		3,400
South Mountain.....		2,413
Table-top Mountain.....		4,000
Ste. Anne Lake.....		1,313
Ste. Anne Lake, "peaks on east and west sides rise to".....	2,500—2,800	
St. Anne River, forks of.....		709
Old-man Mountain.....		2,669
Conical Mountain.....		1,910
Height-of-land between Chat and Great Casapedia rivers.....		1,707
Kamouraska County		
Notre Dame du Portage, hill two miles E. of.....		850
L'Islet County		
Anse à Giles, hill five miles, S.S.E. of.....		1,140
L'Islet station, range five miles, S.E. of.....		1,390
Trois Saumons, peak ten miles E. of.....		2,090
St. Jean Port Joli, peak six and half miles E. of.....		1,240
St Roch des Aulnais, peak seven miles S.E. of.....		1,666
Matane County		
Matawee Mount.....		3,365
Logan, Mount.....		3,708
Bayfield, Mount.....		3,471
Bayfield, Mount, peak three and half miles south of.....		2,669
Little Berry Mountains.....		1,500
Big Berry Mountains.....		2,000
Montmagny County		
St. Ignace, range four miles S.E. of, east summit.....		1,095
" " " " west summit.....		1,220
Ste. Anne, Mount.....		2,680
St. Joachim Hill.....		610
Cape Tourmente.....		1,874
Cape Tourmente chapel.....		1,692
Cape Tourmente, hill three miles N.W. of.....		1,745
Cape Tourmente, hill one and half miles N. of.....		1,550
Cape Rouge, peak one mile W. of.....		1,965
Cape Rouge, peak one mile N.N.W. of.....		1,710
Cape Gubanne, peak one and half miles N.W. of.....		2,215
Cape Gubanne, peak two miles N. of.....		2,070
Anse aux Vaches, peak one and half miles W. of.....		1,800
Sault aux Cochons, peak one and half miles W. of.....		2,365

QUEBEC—SUNDRY ALTITUDES		Elevation
Montmorency County		
Orleans Island, summit.....		500
Montmorency River, range to east, summit, lat. 46° 59'.....		2,144
" " " " " " 47° 01'.....		2,447
Chateau Richer Hills, summit three miles N.W. of village.....		1,405
" " " " six miles N.W. of village.....		2,305
" " " " two miles N. of village.....		1,085
" " " " Single-tree Mountain.....		2,060
Ste. Anne de Beaupré Hills, south peak.....		2,505
" " " " north peak.....		2,620
Ottawa County		
McGregor Lake.....		458
Donaldson Lake.....		336
Grand Lake.....		504
McArthur Lake.....		530
Wakefield Lake.....		531
Dodge Lake.....		625
Lievre River at end of Dodge Lake portage.....		415
McFee Lake.....		661
Green Lake.....		509
Rheume Lac.....		753
Battle Lake.....		754
Newton Lake.....		666
Kendall Lake.....		694
Maskinongé Lake.....		694
Kings Mountain, summit at cross, S. W. end of range.....		1,085
Kingsmere and Meach Lake road, summit.....		1,120
Kingsmere Lake.....		725
Meach Lake.....		580
Pontiac County		
Summit of portage between Keepawa and Douglas lakes.....		957
Douglas Lake.....		852
Little Obashing Lake.....		832
Forrest Lake.....		862
Birch Lake.....		862
Devil Lake.....		834
Bastien Lake.....		877
Thompson or McConnell Lake.....		874
David Lake.....		869
Obashing Lake.....		822
Summit of road between Obashing Lake and Ottawa River.....		942
Small lake at head of Snake Creek on old winter road.....		847
Second lake on Snake Creek on old winter road.....		827
Long Lake, on White Creek.....		852
White Lake, at head of White Creek.....		872
White Beaver Lake (east of McMartin Pnt.).....		883
First lake on Indian portage-route to Keepawa.....		883
Height-of-land, portage route, Lac des Quinze to Abitibi.....		920
" " " " Grand Lake Victoria to Migiskun River.....		1,000
Quebec County		
Beauport hills, west summit.....		1,950
" " " " middle summit.....		1,895
" " " " east summit.....		1,800
Quebec city and vicinity—		
St. Columba church (Point Pizieu).....		144
Spencer Grange.....		223
Plains of Abraham.....		284
Mount Pleasant.....		273
Diamond Harbour martello tower.....		318
St. John's church (Quebec).....		305
Levis Hills, east summit.....		368
Levis Hills, west summit.....		371
Lauzon Hill.....		218

QUEBEC—SUNDRY ALTITUDES		Elevation
Richmond County		
Stoke Mountains.....		1,600—1,800
Rimouski County		
Camille, Mount ..		2,036
Ste. Flavie, hill six miles S.E. of ..		1,500
Bic Highlands		1,236
Saguenay County		
Tadoussac, summit one mile W.N.W. of ..		1,080
" " two miles W.S.W. of ..		1,100
Seven Islands Bay, range to north, west peak ..		1,307
" " " " east peak ..		1,700
St. John, Mount ..		1,416
Mingan Channel, summit seven miles N. of ..		1,000
Saddle Hill		374
Mecattina Highland		685
Bradore Hills		1,264
Height-of-land between Attinokak and Romaine rivers ..		1,750
" between Romaine and St. John rivers ..		1,800
" just west of Attikopi Lake ..		2,400
Divide between Attikopi and Itomami branches of Manikuanagan River ..		1,980
Divide between Matonipi branch of Outarde River and branch of Manikuanagan River ..		2,390
Matonipi Lake		1,640
Mouchalagan Lake ..		830
Ichimanikuanagan Lake ..		685
Sherbrooke County		
Orford Mountain		2,860
Bare Mountain		1,520
Carbuncle Mountain		1,270
Brompton Lake		770
Temiscouata County		
Hare Island, summit ..		323
Wissick, Mount ..		1,083
Vaudreuil County		
Rigaud Mountain		850
Wolfe County		
Ham Mountain		1,900—2,000

RIVER ST. LAWRENCE

	Sq. miles	Sq. miles
Area between Galops rapids and Point de Monts (omitting Ottawa and Champlain basins):		
Area of water surface.....		5,395
(Area, Lake St. Francis, 70 sq. miles; Lake St. Louis, 57 sq. miles).		
Area of watershed—		
Quebec.....	124,345	
Ontario.....	620	
New York.....	3,805	
Vermont.....	615	
		129,385
Total area of basin, omitting Ottawa and Champlain basins.....		134,780
Total area of basin, including Ottawa and Champlain basins.....		199,610

NOTE.—In 1883-86 Mr. R. Steckel, of the Department of Public Works, ran lines of precise levels from the U. S. Coast and Geodetic Survey bench mark at Rouse Point, N. Y., to Sorel, from Sorel to Quebec and from Sorel to Lachine. By these levels the Rouse Point bench mark is 114' 50 feet above Mr. Steckel's datum—assumed mean tide, Gulf of St. Lawrence, as established by him from tidal observations at Quebec—and by the Coast Survey levels it is (110' 06—1' 08) 108' 98 feet, 5' 52 feet lower. The altitudes, between Quebec and Lachine, in the following list, have been extracted from Mr. Steckel's reports and plans, and, for the sake of comparison, are given in two columns, one referred to mean tide at New York and the other to Mr. Steckel's datum.

Miles from Quebec		Above Mr. Steckel's datum	Above mean tide at New York
	Levis--		
	Coping of graving dock.....	23' 84	18' 32
	Zero of dock gauge.....	—8' 62	—14' 14
	Highest water observed during season of navigation (Nov. 5, 1884).....	22' 40	16' 88
	Flood (Jan., 1838).....	52' 12	46' 60
	Standard low water *.....	—1' 07	—7' 19
	Standard high water †.....	21' 68	16' 16
	Ordinary high water, high water season.....	14' 07	8' 55
	Ordinary low water, high water season.....	12' 90	7' 38
	Ordinary low water, low water season.....	3' 63	—1' 89
	Ordinary low water, low water season.....	1' 15	—4' 37
	Mean tide level, low water season.....	6' 99	1' 47
	Mean tide level, high water season.....	8' 95	3' 43
0' 0	Quebec--		
	Zero of Harbour Commissioner's gauge, south side of Point à Carcy wharf.....	—0' 02	—5' 54
	Coping of Louise embankment.....	24' 02	18' 50
6' 5	Wharf at mouth of Chaudière River, floor level.....	16' 6	11' 1
11' 7	St. Nicholas, Baker's wharf, floor level.....	19' 6	14' 1
15' 8	St. Augustin, flood (1865).....	26' 21	20' 69
21' 8	Point aux Trembles--		
	Grenier's wharf.....	20' 3	14' 8
	Flood (1884).....	26' 46	20' 94
35' 5	Point Platon wharf, floor level.....	21' 1	15' 6
	Flood (1884).....	26' 27	20' 72

* The plane of standard low water for the St. Lawrence between Quebec and Montreal 'corresponds to a stage of 16 feet above the lower mitre sill of old lock No. 1 of Lachine Canal and is 0' 08 feet below the equivalent plane of standard low water deduced in a similar manner as the plane of standard low water for the Great Lakes. The equivalent plane would be the plane at or below which monthly mean water has stood not more than an aggregate of ten months during the season of navigation out of the aggregate of eighteen lowest monthly mean waters occurring during the period of thirty-six years—1860 to 1895.

† The plane of standard high water is 'the highest water possible during the season of navigation (at springs) with weather and atmospheric pressure in a normal condition.'

Miles from Quebec	RIVER ST. LAWRENCE	Above Mr. Steckel's datum	Above mean tide at New York
39·7	Deschambault— Foot of Richelieu rapids, standard low water	1·98	—3·54
	Flood (1884)	28·34	22·82
	Floor level of wharf	20·4	14·9
42·0	Barre Boulard— Head of Richelieu rapids, standard low water	5·40	—0·12
	Highest known flood	33·0	27·5
47·2	Grondines— Standard low water	6·41	0·89
	Standard high water	26·65	21·13
	Highest known flood	33·3	27·8
	Floor level of wharf	20·5	15·0
	Top of stone step at north-west corner of R. C. Church	48·57	43·05
52·1	St. Jean des Chaillons— Standard low water	8·32	2·80
	Standard high water	27·69	22·17
	Highest known flood	33·5	28·0
	Floor level of Levasseur's wharf	22·0	16·5
55·0	Stc. Anne de la Pérade, flood (1865)	33·51	27·99
59·4	Batiscan— Standard low water	12·51	6·99
	Standard high water	30·27	24·75
	Flood (1865)	34·73	29·21
	Flood (1885)	31·78	26·26
	Floor level of Brunelle's wharf	24·5	19·0
64·0	Road bridge over Champlain River, flood (1865)	34·76	29·22
66·7	Champlain— Standard low water	13·62	8·10
	Standard high water	30·96	25·44
	Highest known flood	34·80	29·28
	Floor level of Gagnon's wharf	25·2	19·7
73·3	Bécancour, flood (1865)	35·71	30·19
78·7	Three Rivers— Standard low water	16·16	10·64
	Standard high water	32·05	26·53
	Highest known flood	36·3	30·8
	Zero of gauge (nearly)	16·0	10·5
	Doucet Landing, floor level of outside wharf	25·2	19·7
85·0	Nicolet— Standard low water	16·17	10·65
	Standard high water	33·22	27·70
	Highest known flood	38·1	32·6
	Floor level, Port St. Francis wharf	26·5	21·0
86·7	Lake St. Peter, at Pointe du Lac, flood (1865)	39·16	33·64
105·9	Lake St. Peter, at head		
	Standard low water	17·78	12·26
	Standard high water	36·70	31·18
108·2	Yamaska lock— Lower sill	13·78	8·26
	Upper sill	13·86	8·34
	Coping	26·74	21·22
	Flood (1887)	33·54	28·02
115·6	Sorel— Standard low water	18·85	13·33
	Standard high water	34·07	28·55
	Highest known flood	37·90	32·38
	Flood (1865)	36·59	32·07
	Floor level of R. and O. Co.'s wharf	33·5	28·0
	Zero of Montreal Harbour Commissioner's gauge	0·05	—4·47
127·5	St. Ours lock— Lower sill	12·66	7·14
	Upper sill	17·44	11·92
	Coping	38·12	32·60
130·7	Contrecoeur— Standard low water	19·84	14·32
	Standard high water	35·17	29·65
	Highest known flood	42·60	37·08
	Floor level of R. and O. Co.'s wharf	33·2	27·7

Miles from Quebec	RIVER ST. LAWRENCE	Above Mr. Steckel's datum	Above mean tide at New York
138.3	Verschères— Standard low water.....	21.50	15.98
	Standard high water.....	36.32	30.80
	Highest known flood.....	42.80	37.28
	Floor level of R. and O. Co.'s wharf.....	33.6	28.1
146.8	Varennés— Standard low water.....	22.99	17.47
	Floor level of R. and O. Co.'s wharf.....	34.5	29.0
147.3	Half-mile above Varennes wharf— Highest known flood.....	44.90	39.38
151.2	Boucherville— Standard low water.....	24.05	18.53
	Highest known flood.....	44.9	39.4
	Floor level of R. and O. Co.'s wharf.....	35.5	30.0
157.2	Longueuil— Standard low water.....	25.18	19.66
	Standard high water.....	40.62	35.10
	Highest known flood.....	51.30	45.78
	Floor level of new Government wharf.....	34.9	29.4
159.3	St. Marys current— At foot, standard low water.....	25.86	20.34
	At head, standard low water.....	26.86	21.34
	Victoria bridge— Lowest known water during season of navigation.....	34.0	28.5
	Extreme high water.....	56.0	50.5
160.8	Lachine Canal— Old lock No. 1, west side of lower sill.....	11.54	6.02
	Old lock No. 1, coping of lower sill.....	42.89	37.37
	New lock No. 1, centre of lower sill.....	9.61	4.09
	New lock No. 1, coping.....	42.49	36.97
	Extreme low water Oct., 1895 (15.10 ft. on sill, new lock).....	24.71	19.19
	Flood (1886).....	55.79	50.27
168.2	New lock No. 5, sill.....	57.78	52.26
	" coping.....	80.36	74.84
	Old lock No. 5, sill.....	62.88	57.31
	" coping.....	80.37	74.85
	" standard high water (flood May, 1876).....	79.96	74.44
	" extreme low water, Nov. 9, 1895 (8.03 ft. on sill, old lock).....	70.86	65.34
165.6	Laprairie— Lowest known water during season of navigation.....	39.8	34.3
	Highest known water during season of navigation.....	44.5	39.0
	Floor level of R. and O. Co.'s wharf.....	43.4	37.9
NOTE—From Lake St. Louis to Kingston the levels of the Canadian Deep Waterways Commission have been adopted with a uniform deduction of 1.08 feet			
169-184	Lake St. Louis— At Lachine, extreme high water.....		74.84
	At Lachine, extreme low water, Nov., 1895.....		65.79
	Beauharnois Canal— Lower lock at Melocheville, sill.....		59.75
	" " high water, May, 1876.....		76.42
	" " extremel low water, Nov. 5, 1895 (7.82 ft. on sill).....		67.57
	Upper lock at Valleyfield, sill.....		141.44
	" " extreme low water (Nov. 9, 1895).....		150.94
	" " standard high water.....		154.86
	" " standard low water.....		152.42
184.6	Soulanges Canal— Lock No. 1, lower sill 52.74; coping.....		94.24
	" " extreme low water (Nov. 5, 1895).....		67.57
	" " standard low water.....		68.92
	" " water above lock.....		91.24
184.9	Lock No. 2, lower sill 76.24; coping.....		117.74
	" " water above lock.....		114.74
185.1	Lock No. 3, lower sill 99.74; coping.....		141.24
	" " water above lock.....		138.24
187.8	Lock No. 4, lower sill 123.24; upper sill 135.24; coping.....		159.24
	Guard lock, sill 136.24; coping.....		159.24
	" " extreme low water (Nov. 9, 1895).....		150.80
	" " standard low water.....		152.42

Miles from Quebec	RIVER ST. LAWRENCE	Elevation
198·3—229·3	Lake St. Francis— At Valleyfield, high water, May (1870).....	154·86
	At Valleyfield, low water, (1895).....	150·94
229·7	Cornwall Canal— New lower entrance lock, lower sill 138·20; coping.....	167·60
	" " standard high water (1870).....	156·20
	" " extreme low water (Nov. 21, 1895).....	151·70
240·2	Old lower entrance lock, lower sill.....	143·78
	New upper entrance lock, lower sill 185·03; coping.....	205·43
	Old upper entrance lock, lower sill.....	101·45
	" " extreme low water (Nov. 9, 1895).....	198·45
	" " standard low water.....	201·13
245·8	Farrans Point Canal— New lock, lower sill.....	182·23
	Old lock, lower sill, 192·69; coping.....	210·43
	" standard high water (1870).....	203·52
	" extreme low water (Nov. 9, 1895).....	198·52
256·8	Morrisburg Canal— New lower entrance lock, lower sill 195·80; coping.....	227·36
	Old lower entrance lock, lower sill.....	204·74
	" " extreme low water (Nov. 23, 1895).....	208·22
260·3	New upper entrance lock, lower sill 208·25; coping.....	230·25
	Old upper entrance lock, lower sill.....	216·25
	" " extreme low water (Nov. 9, 1895).....	220·75
	" " standard low water.....	223·43
264·6	Galops Canal— New lower entrance lock, lower sill.....	208·50
	Old lower entrance lock, lower sill, 217·44; coping.....	239·10
	" " standard high water (1870).....	233·11
	" " extreme low water (Nov. 9, 1895).....	224·11
269·9	Lift lock at Cardinal, lower sill 221·40; coping.....	244·96
271·3	New upper entrance lock, lower sill 227·63; coping.....	249·25
	Old upper entrance lock, lower sill.....	234·07
	" " standard high water (1870).....	246·74
	" " extreme low water (Nov. 9, 1895).....	240·81
	" " standard low water.....	242·38
280·0	Prescott, low water (November, 1895).....	241·92
341·7	Kingston— Zero of graving dock gauge.....	243·73
	Zero mark on martello tower.....	243·73
	Mitre sill of graving dock.....	228·23
	Kingston Mills, lower mitre sill of entrance lock.....	236·73

LAKE ONTARIO*

Latitude 43½° N. to 44½° N.; longitude 76° W. to 80° W. Length, 193 miles on right line (Burlington Bay to Sacketts Harbour); breadth, 53 miles on right line (about meridian 77° 35' W.

Area of water surface—	Sq. miles	Sq. miles
Niagara River.....	5	
St. Lawrence River to Galops rapids.....	185	
Lake Ontario.....	7,200	
		7,450
Area of watershed—		
Ontario.....	11,255	
New York.....	14,275	
		25,530
Total area of basin.....		32,980

*The data relating to the Great Lakes have been extracted from the Report of the U. S. Deep Waterways Commission, a uniform deduction of 1·08 feet being made from all elevations referred to mean tide

LAKE ONTARIO		Elevation
High water, July, 1815.....		246.02
" July, 1838.....		247.88
" June, 1853.....		247.38
" June, 1858.....		247.88
" July, 1859.....		247.91
" May, 1862.....		247.89
Extreme high water, May, 1870, highest on record.....		247.96
High water, July, 1876.....		247.38
" May, 1886.....		247.65
Standard high water.....		247.96*
Low water, Mar. 1816.....		243.19
" Mar. 1819.....		242.44
" Mar. 1820.....		241.94
Extreme low water, Mar., 1825, lowest on record.....		241.36
Low water, Mar., 1846.....		243.13
" Jan., 1857.....		243.37
" Jan., 1868.....		243.52
" Jan., 1873.....		243.32
" Feb., 1881.....		243.74
" Dec., 1891.....		243.42
" Feb., 1892.....		243.49
" Nov., 1895.....		242.42
Standard low water.....		243.45†
Mean water, 1860 to 1900.....		245.23
" 1860 to 1895.....		245.40
" 1860 to 1875.....		245.53
" 1871 to 1895.....		245.18
" 1871 to 1900.....		244.99

*Standard high water for Lake Ontario has been taken as the monthly mean water of May, 1870, at Oswego, which is the highest monthly mean water level during the period of forty-one years, 1860 to 1900.

† The plane of standard low water, adopted by the United States Deep Waterway Commission is 'the plane at or below which monthly mean water has stood not more than an aggregate of ten months during the season of navigation (which excludes the months of January, February and March) out of the aggregate of eighteen lowest monthly mean waters occurring during the period of thirty-six years, 1860 to 1895.' The following is the record :—

Nineteen lowest monthly mean water levels above the zero of the Oswego gauge (elevation, 243.13 feet above mean tide) during the period 1860 to 1895.

Year	Month	Reading	Year	Month	Reading
		Feet			Feet
1872	February.....	0.39	1892	February.....	0.36
	March.....	0.23	1895	January.....	0.37
	December.....	0.23		February.....	0.31
1873	January.....	0.19		March.....	0.21
	February.....	0.26		August.....	+0.22
	March.....	0.38		September.....	-0.12
1875	February.....	0.26		October.....	-0.46
1891	November.....	0.32		November.....	-0.71
	December.....	0.29		December.....	-0.68
1892	January.....	0.39			

The reading +0.32 of November, 1891, determines the plane of standard low water and its elevation is 243.13+0.32 or 243.45 feet above mean tide at New York

LAKE ONTARIO		Elevation
The record for the period of forty-one years, from 1860 to 1900, shows the following :—		
	Feet	
Range in mean annual variation.....	1.43	
Mean annual range.....	1.97	
Greatest annual range (1867).....	3.65	
Least annual range (1872).....	1.00	
Highest monthly mean water May 1870, (above zero of Oswego gauge).....	4.83	
Lowest monthly mean water Nov. 1895, (below zero of Oswego gauge).....	0.71	
Greatest range in monthly mean waters, Oswego.....	5.54	
Highest annual mean water (1862).....	3.51	
Lowest annual mean water (1895).....	0.17	
Greatest range in annual mean waters.....	3.34	
'As regards annual variation the lake is generally highest in the month of June and lowest in the month of December.'		
Port Dalhousie, zero of gauge.....		256.97
" lower mitre sill.....		229.12
Toronto, zero of Harbour Commissioner's gauge.....		244.04
Oswego, N. Y., zero of U. S. Engineer water gauge.....		243.13
Charlotte, N. Y., zero of water gauge.....		247.92
NIAGARA RIVER		
Queenstown, Ont., standard low water.....		245.45
" standard high water.....		249.96
" mean water (1871-1895).....		247.18
Schlosser, N. Y., standard low water.....		560.28
" standard high water.....		562.53
" mean water (1871-1895).....		561.25
Tonawanda, N. Y., standard low water.....		563.04
" standard high water.....		565.29
" mean water (1871-1895).....		564.01
Bridgeburg, Ont., standard low water.....		565.74
" standard high water.....		567.99
" mean water (1871-1895).....		566.71
LAKE ERIE		
'Latitude 41½° N. to 43° N., longitude 78¾° W. to 83¼° W. Length 239 miles on right line, (Buffalo via Point Pelee to west end); breadth 59 miles on right line, (Ashtabula to Port Talbot)'		
Area of water surface.....	Sq. miles	Sq. miles
Area of watershed—		10,000
Ontario.....	5,480	
Ohio.....	11,950	
Michigan.....	2,990	
New York.....	2,210	
Indiana.....	1,270	
Pennsylvania.....	580	
		24,480
† Total area of basin.....		34,480
Area of islands in Lake Erie.....		55
" " Niagara River.....		29
Extreme high water, highest on record, (June 1838).....		574.12
High water June 1858.....		573.87
" April 1859.....		573.85
" June 1862.....		573.43
" July 1870.....		572.77
" June 1876.....		573.53
" June 1886.....		572.92
Standard high water.....		574.12
Extreme low water, lowest on record (1810 and 1811).....		568.12

LAKE ERIE		Elevation
Low water, August, 1819.....		568·37
" August, 1820.....		569·08
" October, 1841, and March, 1846.....		569·65
" January, 1857.....		570·75
" February, 1868.....		570·06
" January, 1873.....		570·17
" January, 1881.....		570·62
" November, 1895.....		569·71
Standard low water.....		570·27
'The plane of standard low water is 13·72 feet above the upper mitre sill of entrance lock of Welland Canal at Port Colborne, and 10·39 feet above the upper mitre sill of the guard lock of Erie Canal at Black Rock.'		
Mean water, 1860 to 1900.....		571·69
" 1860 to 1895.....		571·80
" 1860 to 1875.....		571·78
" 1871 to 1895.....		571·71
" 1871 to 1900.....		571·87
The record for forty-one years, from 1860 to 1900, shows the following :—		
Range in mean annual variation	Feet	
Mean annual range	1·20	
Greatest annual range (1892).....	1·56	
Least annual range (1895).....	2·28	
Highest monthly mean water, June, 1876 (below plane of reference).....	·87	
Lowest monthly mean water, November, 1895 (below plane of reference).....	·59	
	4·41	
Greatest range in monthly mean waters	3·82	
Highest annual mean water, 1876 (below plane of reference).....	1·41	
Lowest annual mean water, 1895 (below plane of reference).....	3·94	
Greatest range in annual mean waters	2·53	
'As regards annual variation the lake is generally highest in the month of June and lowest in the month of February.'		
Port Colborne, zero of gauge.....		579·69
" " upper mitre sill.....		556·65
" " bench mark on custom house.....		583·66
DETROIT RIVER		
Detroit, foot of Mt. Elliott Ave., standard low water.....		572·76
" " standard high water.....		576·54
" " mean water (1860-1895).....		574·34
" " mean water (1871-1895).....		574·25
LAKE ST. CLAIR		
'Latitude 42½° N. to 42¾° N; longitude 82½° W. to 83° W. Length 26 miles (on right line about 82° 45' W); breadth 24 miles (on right line about parallel 42° 25').'		
Area of water surface	Sq. miles	445
Area of watershed, River and Lake St. Clair and Detroit River—		
Ontario.....	4,160	
Michigan.....	2,160	
Total area of watershed.....	6,320	
Area of islands.....	80	
Standard low water.....		573·18*
Standard high water.....		576·96
Mean water, 1871-1895.....		574·87

*Standard low water for Lake St. Clair has been determined by adding to the standard low water for the Detroit River at foot of Mount Elliott avenue, the mean slope in the Detroit River between Mount Elliott avenue and Lake St. Clair during the months of June and July, 1895'

ST. CLAIR RIVER			Elevation
At Sarnia, standard low water.....			577·19
" standard high water.....			581·93
" mean water, 1871-1900.....			578·53
LAKE HURON			
'Latitude 43° N. to 46½° N.; longitude 79½° W. to 84½° W. Length 207 miles on right line (Port Harris to Drummond Island); breadth 101 miles, on right line (about 44° 35' N.)			
Area of water surface—	Sq. miles	Sq. miles	
Area of watershed.....		23,200	
Ontario.....	35,400		
Michigan.....	16,700		
		52,100	
Total area of basin.....		75,300	
Area of detached bays, etc.—			
Georgian Bay.....		5,600	
North Channel.....		1,600	
St. Mary River.....		150	
Saginaw Bay.....		1,050	
Total area.....		8,400	
Area of islands.....		1,700	
<p>Lakes Huron and Michigan were assumed by the engineers of the United States Lake Survey to have the same mean level for the following reasons: 'The slope of the St. Clair River, which carries off the surplus waters not only of Lake Huron, but also of Lakes Superior and Michigan, is, at St. Clair, about 0·50 inches per mile, the cross section of the river there being 68,150 square feet. Now at Mackinac the smallest water cross-section is about 1,558,800 or 22·87 times that of the St. Clair River at St. Clair, and this greater cross section has to deliver the surplus water of but one of the three great lakes drained by the St. Clair River. If we suppose Lake Michigan has an outflow equal to one-third the discharge of the St. Clair River then . . . the water slope at Mackinac would be about $\frac{1}{3000}$ that at St. Clair or 0·0005 inch per mile . . . As the narrow portion of the Strait of Mackinac is only 10 miles long this slope gives an insignificant fall. This result is of course a very rough approximation, as there are no experimental data for the flow of water under such gentle slopes, but it shows that the permanent difference of level between Lakes Huron and Michigan is insignificant in comparison with the differences produced by winds or by different atmospheric pressures, and that its average value is probably less than 0·1 foot.*</p> <p>'In regard to this assumption it should be noted that, taking the twenty-five years—1871 to 1895—the average of the monthly mean for the two lakes shows Lake Michigan to be from 0·04 to 0·11 foot above Lake Huron for the months September to January, inclusive; at about the same level for February; from 0·05 to 0·12 foot below from March to June inclusive, and at about the same level during July and August.†</p>			
Extreme high water, highest on record (July, 1838).....			583·26
High water, Nov., 1858.....			582·57
" July, 1859.....			582·61
" June, 1862.....			581·59
" Sept., 1870.....			581·14
" July, 1876.....			582·06
" June, 1886.....			582·10
Extreme low water, lowest on record (Feb., 1819).....			576·59
Low water, Dec., 1841.....			578·83
" Feb., 1847.....			577·76
" Jan., 1857.....			579·71
" Feb., 1866.....			578·80
" Jan., 1873.....			578·44
" Jan., 1881.....			579·50
Low water, Dec., 1891.....			578·27
" Jan., 1892.....			578·39
" Dec., 1895.....			577·51

* Report United States Lake Survey, Professional Papers, Corps of Engineers, U.S.A., No. 24, pp. 607 and 608.

† Report of U. S. Deep Waterways Commission, pp. 77 and 78.

LAKE HURON		Elevation
Standard high water, highest on record (July, 1838).....		583·26
Standard low water.....		578·52
Mean water, 1860 to 1900.....		579·99
" 1860 to 1895.....		580·18
" 1860 to 1875.....		580·20
" 1871 to 1895.....		580·12
" 1871 to 1900.....		579·86

The record for the period of forty-one years, from 1860 to 1900, shows the following :—

Range in mean annual variation.....	Feet
Mean annual range.....	0·95
Greatest annual range (in 1871)....	1·30
Least annual range (in 1877).....	2·23
	·57

Highest monthly mean water, July, 1876 (below plane of reference).....	1·19
Lowest monthly mean water, December, 1895 (below plane of reference).....	5·76

Greatest range in monthly mean waters.....	4·57
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Highest annual mean water, 1886 (below plane of reference).....	1·77
Lowest annual mean water, 1896 (below plane of reference).....	5·25

Greatest range in annual mean waters.....	3·48
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'As regards annual variation the lake is generally highest in the month of July and lowest in the month of December'

ST. MARY RIVER

Little Mud Lake—	
Standard low water.....	579·12
Standard high water.....	583·92
Mean water (1871 to 1900).....	580·46
Hay Lake—	
Standard low water.....	579·82
Standard high water.....	584·62
Mean water (1871 to 1900).....	581·16
St. Mary River—	
Lower entrance, Sault Canal, standard low water.....	580·60
" " " standard high water.....	585·63
" " " mean water (1871 to 1895).....	582·19
Upper entrance, Sault Canal, standard low water.....	598·97
" " " standard high water.....	603·10
" " " mean water (1871 to 1895).....	599·87
Canadian lock, 900 ft. long and 60 ft. wide; available depth at mean water 21·73 ft., at low water 20·14 ft.—	
Lower sill.....	560·29
Upper sill.....	575·46
Coping.....	604·21
United States new lock, 800 ft. long and 100 ft. wide; available depth at mean water 21·48 ft., at low water 19·89 ft.—	
Lower sill.....	560·34
Upper sill.....	576·71
Coping.....	604·21
United States old lock, 615 ft. long and 80 ft. wide (gate opening 60 ft.); available depth at mean water 15·81 ft., at low water 14·22 ft.—	
Lower sill.....	565·88
Upper sill.....	582·88
Coping.....	604·21

LAKE SUPERIOR			Elevation
Latitude, 46½° N. to 49° N.; longitude, 84½° W. to 92½° W. Length, 354 miles on right line (St. Louis Bay to Michipicoten Bay); breadth, 162 miles on right line (about on meridian 86° 40' W.).			
Area of water surface.....	Sq. miles	Sq. miles	
Area of watershed—		31,800	
Ontario.....	30,780		
Minnesota.....	6,800		
Wisconsin.....	3,160		
Michigan.....	7,860		
		48,600	
Total area of basin.....		80,400	
Area of islands.....		620	
Area of detached bays.....		1,410	
High water, July, 1861.....			601·83
" Sept., 1869.....			602·55
" Aug., 1876.....			602·29
" Aug., 1885.....			601·00
Low water, March, 1847.....			597·22
" May, 1853.....			597·14
" March, 1854.....			596·97
" March, 1865.....			599·80
" Feb., 1871.....			599·23
" March, 1880.....			599·11
" March, 1892.....			599·37
" Feb., 1893.....			599·37
Standard high water (assumed high water of 1838).....			603·68
Standard low water.....			599·60
Mean water, 1860 to 1900.....			600·65
" 1860 to 1895.....			600·61
" 1860 to 1875.....			600·70
" 1871 to 1895.....			600·49
" 1871 to 1900.....			600·56
The record for the forty-one years, from 1860 to 1900, shows the following:—			
Range in mean annual variation.....		Feet	
Mean annual range.....		1·20	
Greatest annual range (in 1869).....		2·67	
Least annual range (in 1891).....		0·53	
Highest monthly mean water, September, 1869 (below plane of reference).....		1·13	
Lowest monthly mean water, March, 1880 (below plane of reference).....		4·57	
Greatest range in monthly mean waters.....		3·44	
Highest annual mean water, 1876 (below plane of reference).....		2·26	
Lowest annual mean water, 1879 (below plane of reference).....		3·89	
Greatest range in annual mean waters.....		1·63	
'As regards annual variation the lake is generally highest in the month of September and lowest in the month of March'			

Miles from Sorel	RICHELIEU RIVER	Above Mr. Steckel's datum	Above mean tide at New York
0·0	At confluence with River St. Lawrence— Lowest normal level Standard high water..... Extreme high water (1865)	18·85 34·07 37·80	13·33 28·55 31·28
14·0	St. Ours lock— Lower sill Upper sill Coping of lock..... Coping of dam..... Lowest normal level, below lock..... Lowest normal level, above lock..... Extreme high water, above lock (1865).....	12·66 17·44 38·12 25·04 19·16 24·40 38·60	7·14 11·92 32·60 19·52 13·64 18·88 33·08
45·2	Chambly Basin— Lowest normal level..... Extreme low water..... Extreme high water (1869)..... Lower sill of lock No. 9.....	25·59 24·97 41·67 18·02	20·07 19·45 36·15 12·50
47·0	Chambly, lock No. 2, upper sill	92·08	86·56
56·5	St. Johns— Lower sill, guard-lock (No. 1)..... Upper sill " "..... Standard low water " "..... Lowest normal water..... Extreme low water..... Mean water (1871 to 1895)..... One-half mile above guard-lock, extreme high water (April, 1869).....	91·82 91·85 99·09 98·69 97·13 101·17 105·72	86·30 86·33 93·57 93·17 91·61 95·65 100·20
80·0	Rouse Point, N.Y.— Zero of U.S. Engineer gauge at Fort Montgomery..... U. S. Coast and Geodetic Survey B. M. on Chapman block.....	98·97 114·50	93·45 108·98
LAKE CHAMPLAIN			
'Length, 125 miles from Whitehall to St. John; breadth, 13 miles.'			
		Sq. miles	Sq. miles
Area of water surface			400
Area of watershed—			
Quebec.....		740	
Vermont.....		4,270	
New York.....		2,950	
			7,960
Total area of basin			8,360
Standard high water (May 4, 1869) highest on record.....			102·20
Standard low water.....			93·95
Extreme low water, (Oct. 12, 1880).....			93·31
Mean water, (1871 to 1895).....			96·12
" (1871 to 1882).....			96·09
The record for the twenty-five years from 1871 to 1895 shows the following :—			
		Feet	
Range in mean annual variation.....		3·59	
Mean annual range.....		4·22	
Greatest annual range (in 1876).....		6·13	
Least annual range (in 1872).....		2·36	
Highest monthly mean water (May, 1876).....		6·61	
Lowest monthly mean water (October, 1880).....		0·15	
Greatest range in monthly mean waters.....		6·46	
Highest annual mean water (1890).....		3·65	
Lowest annual mean water (1883).....		1·80	
Greatest range in annual mean waters.....		1·85	
'As regards annual variation the lake is generally highest in the month of May and lowest in the month of October'			

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum	Above mean tide at N. Y.
	<p>NOTE.—These bench marks were established in 1883-86, under the direction of Mr. R. Steckel of the Department of Public Works, in connection with the lines of precise levels between Quebec and Lachine, and between Sorel and Rouse Point.</p> <p>Where not otherwise stated these benches are copper plugs driven into the rock or masonry.</p>		
	Quebec—		
G	In facade of Notre Dame de la Garde church, third course of stone above floor.....	24.32	18.80
J	In east corner of east tower of gaol wall.....	295.57	290.05
	Ordnance bench mark, broad arrow on east side of martello tower, close to St. Louis St.....	344.14	338.02
	Ordnance bench mark, broad arrow on north side of portico of Quebec Bank (16.11 feet above ordnance datum).....	23.87	18.35
	Zero of barometer at Observatory.....	298.77	293.25
H	In quoin at north-east angle, front of Queen's store, Champ-plain St., about 3½ feet above street.....	30.83	25.31
I	In second course, stone plinth, under fifth window, east facade of examining warehouse.....	23.29	17.77
	St. Nicholas—		
LXV	In rock, 49 paces south-east of roadway, Basile Hill.....	22.98	17.46
	Sillery—		
A	In foot of cliff, 800 feet below Beverin Point.....	22.54	17.02
B	In rock, north side of road at upper end of Victoria Cove.....	26.74	21.22
C	In rock north side of road at base of cliff, 100 feet below lower wharf, Victoria Cove.....	24.95	19.43
D	In rock, north side of rocky point, 75 feet west of Falardeau's wharf.....	26.18	20.66
E	In north side of rocky point about 700 feet below Point à Pizeau.....	28.90	23.38
F	In rock, north side of road, lower end of Spencer Cove.....	28.51	22.99
	Lévis—		
LXX	In rock, north end of J. C. Hamel's yard, east side of road.....	22.89	17.37
LXXI	In foot of retaining wall of Davidson Hill, Geo. Couture's yard, about 3½ feet above street.....	29.03	23.51
LXXII	In rock on beach, east side of I. C. Ry. and about opposite Poisy's house.....	26.09	20.57
	St. Joseph de Lévis—		
LXXIII	In north face of east abutment, I. C. Ry. crossing, opposite graving dock.....	63.82	58.30
LXXIV	In second altar step, south-west end of graving dock.....	21.62	16.10
	St. David—		
LXIX	In sandstone knoll, west side of road, behind G. T. Ry. round-house.....	43.58	38.06
LXVIII	In spur of sandstone cliff, east side of Etchemin road, few hundred feet below G. T. Ry. crossing.....	28.30	22.78
	St. Romuald—		
LXVII	In sandstone, east side of road, opposite Benson's saw-mill.....	35.56	30.04
LXVI	In sandstone cliff, near last abutment of new Chaudière bridge, and in rear of ferryman's house.....	29.55	24.03
	St. Nicholas—		
LXV	In rock, on beach, 49 paces south-east of Basile's road from post road to river.....	22.98	17.46
LXIV	In rock on beach, foot of cliff, opposite lot 26.....	13.03	7.51
LXIII	In rock on beach, few hundred feet west of Demers' wharf.....	17.18	11.66
LXII	In rock on beach, about opposite lot 88.....	18.23	12.71
LXI	In rock on beach, about 200 feet west of Baker's wharf.....	22.23	16.71
LX	In rock, foot of hill on road from beach to Laguenex's hotel.....	27.12	21.60
LIX	In rock in first point above Ross' wharves, about opposite lot 211.....	21.62	16.10
LVIII	In rock on beach, foot of cliff, about opposite lot 228.....	16.82	11.30
LVII	In rock on beach, foot of cliff, opposite lot 246.....	20.88	15.36
LVI	In rock on beach, foot of cliff, opposite lot 299.....	18.56	13.04
	St. Antoine de Tilly—		
LV	In rock on beach, few hundred feet west of Pointe Aubin wharf and opposite lot 4.....	19.66	14.14
LIV	In shale on beach, foot of cliff, about opposite lot 48.....	20.52	15.00

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum.	Above mean tide at N.Y.
LIII	St. Antoine de Tilly— In shale, foot of cliff, opposite lot 92.....	20'26	14'74
LII	In soft shale, foot of cliff, opposite lot 170.....	19'08	13'56
LXXV	Ste. Croix— In shale on beach, foot of cliff, about opposite lot 19.....	22'30	16'78
LXXVI	In rock on beach, foot of cliff, about opposite lot 53, 200 or 300 feet east of wharf.....	23'25	17'73
LXXVIA	In face of stone, planted in ground, 200 feet east of Ste. Croix wharf.....	25'15	19'63
LXXXVIA	In stone monument, opposite Hon. H. G. Joly's farm-house, west side of road to Point Platon wharf.....	35'87	30'35
LXXXVII	St. Louis de Lotbinière— In shale on beach, foot of cliff, quarter-mile west of Platon wharf.....	16'82	11'30
LXXXVIII	In rock on beach, foot of cliff, one mile above Platon wharf.....	18'26	12'74
LXXXIX	In rock on beach, foot of cliff, opposite Poudrier Point.....	11'16	5'64
XXXX	In rock, few hundred feet east of Hon. H. G. Joly's farm wharf.....	20'35	14'83
LXXXI	In fourth quoin, south-west angle of Hon. H. G. Joly's grist mill.....	47'54	42'02
LXXXII	In rock on beach, foot of cliff, opposite Richelieu Rapids Island.....	19'31	13'79
LXXXIII	In large flat boulder, 15 feet north of lighthouse on Richelieu Rapids Island.....	21'02	15'50
LXXXIV	In south-west corner of foundation of R. C. church, Lotbinière.....	95'63	90'11
LXXXV	In shaly rock near brook, foot of cliff, about quarter-mile west of parish church.....	21'34	15'82
LXXXVI	In shaly rock about 25 feet north-east of stream from Lalbert's saw-mill.....	20'77	15'25
LXXXVII	Ste. Emelie— In foundation, east side of Damase Beaudet's house, Leclercville.....	38'58	33'06
LXXXVIII	In east side, foundation of tower of R. C. church, Ste. Emelie.....	98'79	93'27
LXXXIX	In foundation, west side of Louis Lafond's house at mouth of Little River du Chêne.....	26'44	20'92
CXVI	St. Jean des Chaillons— In stone, north-west corner of St. Jean des Chaillons church, 4 feet above ground.....	160'03	154'51
CXV	In large boulder on beach, foot of cliff, opposite lot 125; ele- vation in fall, 1888.....	23'53	18'01
CXIV	In large flat stone on beach, foot of cliff, opposite lot 9.....	25'43	19'91
CXIII	St. Pierre les Becquets— In fourth quoin above ground, north-west corner of front of R. C. church, St. Pierre les Becquets.....	109'68	104'16
CXII	In foundation, north side of Wm. Massicot's carding mill.....	33'01	27'49
CXI	St. Edouard de Gentilly In large flat stone embedded in south bank of Moulin River, near mouth.....	21'54	16'02
CX	In second lowest quoin, south-east corner of Gentilly church.....	69'98	64'46
CIX	In south-east corner of foundation of J. L. Brunel's house.....	37'89	32'37
CVIII	In foundation of Ludger Genest's house.....	44'09	38'57
CXVII	In foundation of P. Reault's house.....	31'98	26'46
XC	Nativité de Bécancour— In foundation of L. Provencher's house, near Gentilly and Bécancour parish line.....	33'47	27'95
XCI	In north-east foundation wall of Moïse Genest's house.....	36'88	31'36
XCH	In south foundation wall of Ferdinand Leblanc's house.....	42'61	37'09
XCHH	In north foundation wall of Louis Masse's house.....	39'36	33'84
XCIX	In top course of foundation wall of R. C. church, Bécancour.....	44'09	38'57
XCIV	Ste. Angèle de Laval— In wall under first window-sill, east side of front door in Clovis Tourigny's house, lot 6.....	33'60	28'08
XCV	In foundation of Honoré Lenneville's house, lot 32.....	35'44	29'92
XCVI	In front, north side of main entrance of R.C. church.....	40'93	35'41
190	St. Gregoire— Top of stone planted by D. C. Morency, D.L.S., on west side of road, lot 36.....	39'41	33'89
XCVII	In north-east wall of Napoléon Poirier's house, lot 59.....	35'77	30'25
XCVIII	In south wall of Basile Plourde's house, lot 76.....	37'19	31'67

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum	Above mean tide at N.Y.
C	St. Jean Baptiste de Nicolet—		
CI	In north-east gable of Antoine Brassard's house.....	40·14	34·62
CII	In south wall of Antoine Beaubien's house, opposite lower crossing of Nicolet River.....	48·56	43·04
CIII	In north-west corner of R. C. cathedral, Nicolet.....	74·97	69·45
	In north-east corner of Eusèbe Brassard's house at junction of main and lower ferry roads.....	48·51	42·99
CIV	In foundation, under front gallery of Jean Rousseau's house	46·57	41·05
	La Baie du Febvre—		
CV	In front, foundation wall of William Houle's house.....	38·18	32·66
CVI	In foundation of Anselme Lafond's house.....	37·97	32·45
CVII	In foundation of Edward Lenière's house, lot 427.....	44·11	38·59
LI	In east foundation wall of Nestor Duguay's store.....	48·47	42·95
L	In rear corner, western tower of R. C. church.....	83·69	78·17
XLIX	In east gable of Isaie Couillard's house.....	49·19	43·67
	St. Thomas de Pierreville—		
XLVIII	In western gable of Wm. Allard's house, 5·75 feet from north-west corner.....	41·51	35·99
XLVII	In north gable of Pierre Lord's house, north bank of Chenal Tardif.....	37·73	32·21
XLVI	In head of stone monument on north-east bank of St. Francis River at its confluence with the St. Lawrence.....	24·82	19·30
XLV	In south gable of Joseph Laramé's house.....	40·63	35·11
	St. François du Lac—		
XLIV	In rear wall, 2½ feet from north-west corner of Dominique Courchesne's house.....	55·24	49·72
XLIII	About 7 feet from north-west corner of Théophile Joyal's house.....	54·32	48·80
	St. Michel de Yamaska—		
XLII	In second course below coping, west side, upper end of Yamaska lock.....	24·76	19·24
XLI	In south gable of Daniel Cardin's house.....	50·33	44·81
XL	In first quoin above plinth course, south-east corner, front of R. C. church, Yamaska.....	64·25	58·73
XXXIX	In stone monument, at junction of roads, near temperance cross	49·25	43·73
	Sorel—		
XXXVIII	In north-west gable of Benjamin Larochelle's house, at junction of post and St. Victoire roads.....	63·00	57·48
78	Top of boundary stone on South-eastern Railway property, west side of King street, between Jacques Cartier and Victoria streets.....	53·18	47·66
XXVI	In foundation wall of Sorel market, 21 feet E. of S.E. corner, 3½ feet above ground.....	46·35	40·83
	St. Joseph de Sorel—		
CXXIV	In wall, about 3 feet above ground, at north-west corner of Messrs. McCarthy's house.....	39·58	34·06
G	Top of cap of bench well, N.E. corner of road to St. Ours.....	37·33	31·81
CXXV	In north gable, about 2 feet above ground, Michel Pelouquin's house.....	43·04	37·52
CXXVI	In north-east gable of Louis Cartier's house.....	45·89	40·37
	La Sainte Trinité de Contrecoeur—		
235	Small cavity in top of boundary stone, on west side of post road, in St. Joseph and Ste. Trinité parish line.....	60·77	55·25
CXXVII	In south-west gable of Pierre Vendal's house.....	53·30	47·78
CXXVIII	In foundation, south-west corner of Jos. Dione's house.....	49·37	43·85
CXXIX	In lower course, north corner, 13 inches above steps, front of R. C. church, Contrecoeur.....	50·18	44·66
CXXX	In front of Jos. Dansereau's house, 8·9 feet from south-west corner and 3 feet above ground.....	43·44	37·92
	St. François Xavier de Verchères—		
CXXXI	In wall, south side of front door of Pierre Chicoine's house.....	47·07	41·55
CXXXII	In base of pillar, north-west side of main entrance door to R. C. church, Verchères.....	70·12	64·60
CXXXIII	In stone plinth, south-east side of priest's house, 7 feet from south-east corner.....	70·28	64·76
	Ste. Anne de Varennes—		
CXXXIV	In north-east gable of Urgèle Cadieux's house.....	74·01	68·49
CXLV	In second course of stone plinth, under west end of first window from front, south side of new R. C. church, Varennes.....	59·98	54·46

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum	Above mean tide at N. Y.
	Ste. Famille de Boucherville—		
CXLIV	In foundation under window-sill, near south-east corner of François Birtz's house.....	48 30	42 78
CXLIII	In second quoin above steps at south-west corner of R. C. church, Boucherville.....	55 14	49 62
CXLII	In third row of brick-work, 4 feet from north-west corner of Antoine Vinet's house	46 30	40 78
	St. Lambert—		
CXLI	In third course, west side of G. T. Ry. bridge over river road.	55 54	50 02
CXXIII	St. Antoine de Longueuil—		
	In third course, north-east side, near side entrance, R. C. church, Longueuil.....	56 82	51 30
CXL	In third course of foundation, 3 2 feet from north-west corner of X. Perreault's house.....	62 46	56 94
CXXII	In north-east gable end of Pierre Benoit's house, south-east end of lot 132.....	100 99	95 47
CXXI	In east gable end of Hilaire Lamarre's house, lot 116.....	107 97	102 45
	La Nativité de Laprairie—		
CXXXIX	In plinth 1 33 feet above entrance step, at north-west corner of R. C. church, Laprairie.....	62 60	57 08
CXXXVIII	In quoin, north-east corner of S. Pagnuelo's house	61 12	55 60
CXXXVII	In north gable of Moïse Breault's house, at junction of St. Pierre and Caughnawaga roads.....	65 91	60 39
CXXXVI	In sixth course of brick, north-east gable of J. E. Cherrier's house.....	76 77	71 25
	Sault St. Louis—		
CXXXV	In third course from ground, south-west face of Caughnawaga abutment of C. P. Ry. bridge	79 48	73 96
	Chisel mark on coping, about 4 inches below top near inner corner, south-east angle, Caughnawaga abutment, C. P. Ry. bridge	136 21	130 60
	Montreal—		
K	In rock, lower end and south side of St. Helen Island, west side of road round island.....	83 97	78 45
M	In third course, east face of southern abutment of C. P. Ry. bridge over Brock St	47 42	41 90
L	In stone, east corner of southern abutment of C. P. Ry. bridge over Forsyth St.....	43 86	38 34
N	In southern wall of custom house, near corner of Commissioner and Port streets.....	55 16	49 64
O	In first quoin above front plinth course, near south-east angle of examining warehouse on Commissioner St., few feet north of McGill St.....	55 10	49 58
Q	In stone course under basement window-sill, front of pump-house, St. Henri	54 84	49 32
	Lachine—		
R	In fifth course above springing of arch, north face of west pier of bridge over old water-works canal.....	78 81	73 29
	In second course, south-west face of abutment of C. P. Ry. bridge, south side of lower Lachine road.....	100 11	94 59
	In third course, front of buttress, south-east corner of R. C. church, Lachine.....	88 98	83 46
	St. Hubert—		
CXX	In foundation of Antoine Rocheleau's house, lot 38.....	88 37	82 85
CXIX	In west foundation wall of J. B. E. Charron's house, lot 116.	83 35	77 83
CXVIII	In south-east gable end of Wilfred Daigneault's house, lot 84.	86 48	80 96
<i>Richelieu River—Sorel to Rouse Point</i>			
	St. Victoire—		
XXVII	In north gable of P. Ethier's house.....	76 99	71 47
	St. Ours—		
XXVIII	In north gable of J. Dufault's house.....	49 79	44 27
XXIX	In north gable of L. Morin's house.....	56 65	51 13
XXX	In cap of plinth, south side of R. C. church, St. Ours.....	59 17	53 65
XXXI	In coping, east side and upper end of St. Ours lock.....	38 12	32 60
F	Top of cap of bench well, planted in cut of St. Ours Island.....	34 95	29 43
XXXII	In coping, abutment of dam, west side of St. Ours Island.....	38 77	33 25
XXXIII	In the north-east gable of E. Plante's house.....	54 10	48 58

Number	BENCH MARKS ESTABLISHED BY THE DEPARTMENT OF PUBLIC WORKS	Above Mr. Steckel's datum.	Above mean tide at N. Y.
	<i>Richelieu River—Sorel to Rouse Point</i>		
	St. Denis—		
XXXV	In north-west corner of R. C. church, St. Denis	60·04	54·52
XXXIV	In north-west corner of convent wall, St. Denis	55·22	49·70
	St. Charles—		
XXXVI	In north gable of T. Benoit's house	47·92	42·40
XXXVII	In north-west corner of R. C. church, St. Charles	51·31	45·79
	St. Hilaire—		
E	Top of cap of bench well, planted in line between St. Hilaire and St. Charles	38·71	33·19
XXV	In south-west corner of R. C. church, St. Hilaire	55·26	49·74
XXIV	In east abutment of G. T. Ry. bridge	59·51	53·99
	Beleil—		
XXIII	In west abutment of G. T. Ry. bridge	53·91	48·39
	Chambly—		
XXII	In R. Lamoureux's house	46·00	40·48
XXI	In north-east corner of L. A. Lamoureux's house	48·73	43·21
D	Top of cap of bench well, planted on south side of lock 7 ...	54·30	48·78
XX	In south-west corner of lockmaster's office	54·50	48·98
XIX	In lower face of wall of lock 7	54·61	49·09
XVIII	In south abutment of Southeastern Ry. bridge	86·35	80·83
XVII	In stone planted opposite J. Collette's bridge, east side of canal	100·91	95·39
XVI	In stone planted opposite L. Fortier's north line on brow of hill	103·20	97·68
	St. Athanase—		
XIII	In south-west corner of D. Beauvais' house	101·42	95·90
XII	In foundation of G. Thurston's grist and carding mill	109·56	104·04
XI	In south-west corner of D. Frechette's store, corner Napier and St. Ann streets, Iberville	110·51	104·99
	St. Johns—		
XV	In stone planted at foot of Grand Ste. Thérèse Island	99·81	94·29
XIV	In stone planted at head of Grand Ste. Thérèse Island	100·46	94·94
O	In large, flat stone, east side of canal, opposite swing bridge, at Langelier's	99·34	93·82
I	In north-east corner of G. Nolin's house, opposite lock 1	112·50	106·98
II	In coping, upper end of lock 1	107·08	101·56
III	In front of Montgomery's house, north-west corner of Lemoine and Champlain streets, St. Johns	123·03	117·51
C	Top of cap of bench well, planted inside barracks, St. Johns	108·00	102·48
IV	In gable end of Moïse Pinsonneault's house	117·08	111·56
V	In north-east gable of Mrs. Lord's house	123·32	117·80
	St. Valentin—		
VI	In south-west corner of Frs. Pinsonneault's house	113·84	108·32
VII	In stone planted in J. Bte. Bornais' field	102·85	97·33
B	Top of cap of bench well, planted opposite Bissonnette's house, St. Valentin village	103·32	97·80
VIII	In south-east corner of foundation of Boileau's hotel	112·09	106·57
IX	In north-east corner of William Vanvliet's house	134·95	129·43
	Lacolle—		
X	In stone planted a few feet from International boundary ...	102·39	96·8
A	Top of cap of bench well, planted in boundary line between Canada and United States	100·09	94·57

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
	<p>NOTE.—In 1890 and 1895, lines of levels were run, under the direction of Mr. Thomas Monro, Chief Engineer, Soulanges Canal, and member of the Canadian Deep Waterways Commission, from Rouse Point to Kingston, by way of the Canada Atlantic and Grand Trunk railways, and from Coteau to Lachine by way of the Grand Trunk. He also ran side lines of levels to all the canals of the St. Lawrence system and established standard bench marks at short intervals along the canals and railways. The instrument used was the ordinary Y level and no attempt was made at precise levelling, but there were three through lines, sometimes six, between bench marks, where there was any considerable discrepancy.</p> <p>Rouse Point, N. Y.—United States Coast and Geodetic Survey bench mark, top of plinth course, north end of Chapman block.....</p>	108·98
	<i>Canada Atlantic Railway</i>	
	Lacolle River—South-west corner, ballast wall of east abutment of bridge...	166·52
	Johnson—South-east corner, east stone wall of open culvert at second road crossing, east of station.....	211·22
	Holton—South-west corner, stone support, south side of door of water tank, one and half miles east of station.....	181·32
	Aubrey—South-west corner of ballast wall, east abutment of bridge over Norton Creek.....	141·15
	English River—Seat of abutment, west girder approach to bridge, south side at ballast wall.....	127·45
	Chateauguay River—South-east corner of bridge-seat, west abutment of bridge.	130·79
	St. Louis River—South-west corner, east abutment of bridge.....	132·79
	Coteau Landing—Iron bolt in north-west corner, south abutment, C. A. Ry. bridge over main road to Coteau du Lac, south side of Soulanges Canal....	162·24
37·9	Coteau junction—South-west corner of bridge-seat (beside shoe-plate of truss), east abutment of River Delisle bridge.....	160·06
	<i>Canadian Pacific Railway</i>	
20·8	Ste. Anne—Point on south coping, east abutment, Ste. Anne railway bridge over the Ottawa River.....	112·95
	Point on south coping, west abutment, Ste. Anne bridge.....	107·50
	Isle Perrot—Point on south coping, west stone wall of cattle guard and culvert, west side of road crossing.....	88·22
22·9	South-east corner of masonry culvert, one-half mile east of Vaudreuil bridge.	92·60
	NOTE.—Great care should be exercised when using these bench marks in the vicinity of Ste. Anne, Vaudreuil and across Isle Perrot, as many of them may have been altered when double tracking the railways subsequent to the establishment of these benches in 1891	
	<i>Grand Trunk Railway</i>	
8·1	North-west corner, south coping of culvert.....	86·75
8·6	South-east corner, south end of masonry culvert.....	96·41
11·2	East peak, south coping of culvert.....	88·71
11·8	West peak, south coping of culvert.....	88·83
13·2	Lakeside—West peak, south coping of culvert, just west of station.....	96·44
13·8	East peak, south coping of culvert.....	99·05
15·5	Beaconsfield—West peak, south coping, west wall of open culvert, just east of station.....	106·14
15·8	West peak, south coping, west wall of open culvert.....	107·70
18·5	West peak, south coping, east wall of open culvert.....	110·77
19·2	East peak, south end of masonry culvert.....	115·21
24·0	Vaudreuil—South peak of most westerly pier of Vaudreuil bridge, over the Ottawa.....	84·81
24·2	South-west corner, top course, east wall of open stone culvert.....	84·20
25·5	North corner, east stone culvert.....	89·60
29·0	Cedars—Top step, east side of Roman Catholic church.....	158·28
	Coteau du Lac—Iron bolt in north-west corner of vestry of R. C. church.....	157·28
34·5	South-east corner of coping, south side, west abutment, River Rouge bridge..	159·84
35·3	South-west corner of coping, south side, east abutment of River Delisle bridge.	161·59
	South-west corner of bridge-seat (close to shoe-plate of truss), south abutment of highway bridge, over River Delisle, at Coteau junction.....	159·69

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
<i>Grand Trunk Railway</i>		
39.5	St. Zotique—North-west corner of ballast wall, north end, west abutment of bridge, near station	159.72
43.4	North-west corner of coping, south side, east abutment of railway bridge, over River Beaudette	173.77
48.1	Bainsville—West peak of south coping stone, east abutment, beam culvert near station	176.26
	Lancaster—West end, stone door-sill of post office	166.13
53.7	On plinth course, north-west corner of station	166.22
54.8	North-east corner, south coping wall, west abutment of bridge over Black River	166.53
57.2	Summerstown—East peak, south coping stone, west wall of beam culvert	170.89
62.6	South-east corner, west wall of beam culvert	175.59
63.0	South-west corner, coping stone, south end of culvert	181.67
67.1	Cornwall—East peak, south coping stone, west wall of beam culvert, near station	188.55
67.4	On plinth course, west side of second door from west end of station, north side of building	195.38
72.7	Mille Roches—East peak, south coping stone, west wall of open culvert, half mile west of station	228.67
73.7	East peak, south coping stone, west wall of beam culvert	228.95
77.1	Wales—East side, door-sill of east door, front of station, at corner of brick wall	240.00
81.6	Farrans Point—South-west corner, south coping of culvert	243.19
84.2	Aultsville—South-west corner, south coping of culvert	240.69
84.5	South point, south coping stone, west wall of small bridge	243.70
88.6	North-west corner, south coping of arch culvert	237.87
89.1	South-west corner, south coping of culvert	241.84
91.7	Morrisburg—East peak, north coping stone, west wall of culvert	265.40
92.3	On plinth course, north-east corner of station	273.18
94.7	West peak, south coping stone, east wall of open culvert	251.86
95.3	West peak, south coping, west wall of small bridge	256.43
98.9	Iroquois—On plinth course, north-west corner of station	247.29
99.5	North corner, north coping of culvert	243.16
104.2	Cardinal—North-east corner, north coping of arch culvert	274.36
104.7	West peak, north coping stone, west wall of open culvert	270.61
105.6	West peak, north coping stone, west abutment of small bridge	272.44
105.8	East peak, north coping stone, east wall of open culvert	283.41
107.4	East peak, north coping, west wall of open culvert	285.05
107.8	East peak, north coping, west wall of open culvert	285.19
109.8	West peak, south coping, west wall of open culvert	275.69
110.3	South-west corner, south coping, west abutment of small bridge	283.47
112.0	Prescott—East point, coping stone, east end, south wall of east abutment, G.T.Ry. bridge over C.P.Ry. Stone broken at corner to form ledge	305.00
113.5	On plinth course, north-west corner of station	312.69
	West end, door step, main entrance to custom house	269.74
114.4	South-west corner, top stone, south end, east wall of small bridge	276.96
114.7	South west corner, top stone, south end, east wall of open culvert	286.74
121.6	Maitland—Point of broad arrow, cut on south-east corner, stone coping, south end, west abutment of beam culvert	342.09
121.6	Point of broad arrow, cut on south-west corner of coping, south end, west abutment of beam culvert	334.42
124.9	Brockville—Point of broad arrow, cut on north-west corner of coping (below top stone at end of wall) north side of bridge over C.P.Ry. east of station	292.43
125.5	Point of broad arrow, cut on coping, west end of iron railing, south side of bridge over C.P.Ry., 1,100 feet west of station	278.43
129.5	Lyn—Point of broad arrow, cut on west end of saddle coping, north side, west abutment of small bridge	286.66
130.2	Point of broad arrow, south-west corner of coping, south end of box culvert	293.17
132.6	Point of broad arrow, south-west corner of coping, south end of arch culvert	313.66
134.2	Point of broad arrow, south-west corner of coping, south end of arch culvert	283.65
136.5	Point of broad arrow, north-west corner of coping, north end, east abutment of beam culvert	320.68
138.5	Mallorytown—Point of broad arrow, north-east corner, north end of box culvert	326.87
142.5	Point of broad arrow, west end of coping, south side, west abutment of small bridge	313.21
143.2	Point of broad arrow, south-west corner, south end of box culvert	309.44
145.6	Point of broad arrow, south-west corner of coping, south end, east abutment of beam culvert	325.61

Miles from Montreal	BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION	Elevation
<i>Grand Trunk Railway</i>		
146.7	Lanadowne—Point of broad arrow, south-west corner of coping, south end of box culvert.....	326.16
148.5	Point of broad arrow, south-west corner of coping, west abutment of beam culvert.....	320.48
149.6	Point of broad arrow, north-west corner, second stone of coping, north end of box culvert.....	313.86
155.0	Gananoque—Flat point, north-east corner, plinth course of station.....	310.53
155.5	Point of broad arrow, west end, of saddle coping, south side, west abutment of Gananoque River bridge.....	292.40
	On front edge, stone door-sill, front door of custom house.....	257.14
157.9	Point of broad arrow, east end, of saddle coping, south end, east abutment of beam culvert, public road crossing.....	335.72
158.5	Point of broad arrow, west end of coping, south end, west abutment of small bridge.....	342.70
161.7	Point of broad arrow, on saddle coping, south end, west abutment of beam culvert.....	351.61
161.9	Point of broad arrow, south-west corner of coping, south end of box culvert..	347.43
162.7	Ballantyne—Point of broad arrow, south-west corner of coping, south end of box culvert.....	357.84
166.2	Point of broad arrow, south-west corner of coping, south end of box culvert..	302.27
166.5	Point of broad arrow, south-west corner of coping, south end of box culvert..	304.42
169.0	Rideau—Point of broad arrow, course below coping, south side, west abutment of Catarqui bridge.....	307.51
169.7	Point of broad arrow, west end of coping, south end of box culvert.....	277.74
171.2	Point of broad arrow, on coping, south-west corner, south end of box culvert..	250.81
171.7	Point of broad arrow, top of flat rock, south side of small rock cut (100 feet from west end of cut).....	260.59
	Kingston—On east end of window sill; lower west window, front of Carruther's old store.....	248.19
<i>St. Lawrence Canals</i>		
	Ste. Anne Lock -	
	Coping of west wall, west recess of lower gates.....	82.72
	Twenty-three (23) feet mark on water-gauge at lower gates, new lock.....	82.16
	Soulanges Canal—	
	North hollow quoin, upper gates of lock 4.....	159.24
	" " " " 3.....	141.24
	" " " " 2.....	117.75
	" " " " 1.....	94.30
	Coping of north wall of guard-lock, at Coteau Landing; behind heel post of upper gates, 6 inches from face of recess.....	159.24
	Beauharnois Canal -	
	Coping of north wall, at upper gate of lock 6, (lower entrance lock) at Melocheville.....	82.05
	Coping of north wall, at upper gate of lock 7, near lower guard post.....	92.94
	North-west corner of south-west pier, Canada Atlantic Railway bridge, across canal.....	154.99
	Coping of north wall of lock 14 (guard-lock at Valleyfield) behind heel post of upper gate.....	155.59
	Cornwall Canal -	
	North hollow quoin of lower gates, lower new entrance lock, 8 inches from face of wall, immediately behind gate anchorage casting.....	167.60
	South hollow quoin of upper gates, new guard-lock, Dickinson Landing; point is three inches from face of wall in rear of gate anchorage casting.....	205.43
	Farrans Point Canal—	
	On coping of north wall, at upper gates of new lock.....	210.30
	South hollow quoin of lower gates of old lock; point near face of wall in front of gate anchorage.....	210.27
	Morrisburg Canal—	
	North hollow quoin of lower gates of new lock; point is 4 inches from face of wall near gate anchorage.....	227.36
	North hollow quoin of upper gates of new guard-lock; point is 3 inches from face of wall near gate anchorage.....	230.25
	Galops Canal—	
	On coping of north wall, at upper gates of new lock at Iroquois.....	246.00
	South hollow quoin of lower gates of old lock, No. 25, at Iroquois; point is 3 inches from face of wall near heel-post.....	239.10
	South hollow quoin of upper gates of new guard-lock; point is 3 inches from face of wall near gate anchorage.....	249.25

BENCH MARKS ESTABLISHED BY THE CANADIAN DEEP WATERWAYS COMMISSION		Elevation
<i>St. Lawrence Canals</i>		
Ogdensburg, N.Y.—		
Top of door-sill, in east face of lighthouse, Ogdensburg, N.Y.		251·23
Zero of water-gauge at Ogdensburg lighthouse.		244·48
Rideau Canal—		
Point of broad arrow, on coping west side of lower end of entrance lock at Kingston Mills.		257·85
Kingston graving dock—		
Coping of dock.		250·33
Point of broad arrow, cut in top of dock coping 6 inches from face of wall at inner water gauge, west side of dock.		250·23
Zero of water-gauge at Kingston graving dock.		243·73*
OTTAWA AND GEORGIAN BAY CANAL (projected)		
Miles from Montreal	Low water	High water
River St. Lawrence—		
Montreal harbour, opposite Longueuil.	19·66	35·10
Montreal harbour, opposite Victoria bridge.	28·5	50·5
Lake St. Louis.	65·79	74·84
Ottawa River—		
22·00 Foot of Ste. Anne rapid, extreme low water, Nov. 5-7, 1895; highest water on record, May 16, 1876.	67·41	75·00
22·10 Head of Ste. Anne rapid, extreme low water, Oct. 23 to Nov. 7, 1895; highest water on record, May 15-20, 1876.	69·24	77·33
Lake of Two Mountains.	69·3	77·5
47·70 Foot of Carillon rapid.	69·3	81·3
49·00 Above Carillon rapid.	77·0	87·0
53·00 Foot of Chute à Blondeau rapid.	77·1	89·1
53·10 Above Chute à Blondeau rapid.	81·1	96·3
54·50 Foot of Long Sault rapid.	81·2	97·6
60·43 Grenville.	122·3	141·8
116·50 Ottawa harbour, highest water on record (May 16, 1896), 29·5 ft. on sill of lower entrance lock, Rideau Canal; lowest water on record (Sept. 28, 1881), 4·6 ft. on sill (elevation of sill, 120·0 feet).	124·6	149·5
Above Chaudière falls.	168·3	176·3
118·50 Above Little Chaudière rapid.	176·4	183·4
Above Romoux rapid.	179·2	187·2
122·86 Deschenes Lake.	189·0	197·8
149·55 Foot of Chats falls.	189·3	199·3
150·05 Above Chats falls.	227·3	231·3
153·16 Chats Lake.	239·1	246·1
171·13 Foot of Chenaux rapid.	239·3	246·3
171·33 Head of Chenaux rapid.	239·9	249·9
175·73 Foot of Portage du Fort rapid.	241·8	251·8
Head of Portage du Fort rapid.	254·8	263·8
181·33 Foot of Mountain rapid.	261·0	271·0
Head of Mountain rapid.	274·3	287·3
Head of Dargie rapid.	276·0	
Foot of Calumet rapid.	281·7	291·7
184·14 Head of Calumet rapid.	337·4	346·4
202·20 Head of La Passe rapid.	341·6	351·6
175·73 Head of Portage du Fort rapid.	254·8	
183·00 Foot of Rocher Fendu falls.	255·3	265·3
184·50 Foot of Long rapid.	261·7	270·7
186·00 Foot of La Barrière rapid.	278·0	290·0
187·00 Foot of Muskrat rapid.	281·3	290·3
188·00 Foot of Mice rapid.	288·1	297·1
188·50 La Fontaine Lake.	291·4	299·4
189·50 Head of Black rapid.	310·1	320·1
190·30 Head of Black falls.	327·9	337·9
192·00 Head of Flat rapid.	339·9	349·9
195·92 Head of La Passe rapid.	341·6	351·6

*Zero at Kingston is the same as zero at Toronto, and was determined during August and September, 1887, by a full month's simultaneous readings. The zero mark cut on the entrance works of the graving dock is the level established under my direction, and represents the mean low water level of the lake at Kingston. A similar zero mark is cut on the base of the martello tower at Swift's wharf. The sill of the dock at Kingston is curved, and its lowest point is 15·5 feet below zero, and coping level is 6·5 above.

Letter from H. F. Perley to Thos. Monro, Jan. 22, 1895.

Miles from Montreal	OTTAWA AND GEORGIAN BAY CANAL (projected)	Low water	High water
	Ottawa River—		
206·60	Foot of Allumette Island	344·2	355·2
215·43	Foot of Chapeau rapid	344·9	355·9
215·50	Head of Chapeau rapid	345·5	356·5
220·35	Foot of l'Islet rapid	346·1	356·6
221·10	Head of Culbute rapid	363·2	370·2
226·40	Allumette or Pembroke Lake	363·5	370·2
254·00	Head of Deep River	364·8	374·6
255·64	Head of Des Joachims rapid	391·2	408·2
263·30	Mouth of Dumoine River	392·2	409·9
268·25	Foot of McSorley rapid	395·2	
269·00	Head of McSorley rapid	398·2	
272·50	Foot of Rocher Capitaine rapid	401·1	
273·85	Head of Rocher Capitaine rapid	442·0	456·0
285·55	Foot of Deux Rivières rapid	446·3	461·9
286·01	Head of Deux Rivières rapid	458·9	
286·70	Foot of Trou rapid	459·7	
287·15	Head of Trou rapid	467·1	484·5
288·10	Foot of L'Eveille rapid	469·9	
288·70	Head of L'Eveille rapid	477·4	
296·75	Foot of Rocky Farm rapid	477·8	
301·50	Head of Rocky Farm rapid	486·3	
306·55	Foot of Johnson rapid	487·1	
307·00	Head of Johnson rapid	492·0	
307·60	Foot of Mattawa rapid	492·0	
308·00	Head of Mattawa rapid	495·2	509·5
308·00	Mouth of Mattawa River	495·2	509·5
	Mattawa River—		
310·40	Foot of Plein Chant rapid and chute	500·6	
310·80	Head of Lac Plein Chant	517·5	
316·25	Foot of des Epines rapid	517·7	
316·30	Head of des Epines rapid	523·3	
316·85	Foot of Rose rapid	523·5	
317·00	Head of Rose rapid	529·1	
318·20	Foot of des Rochers rapid	530·5	
318·30	Head of des Rochers rapid	535·3	
319·00	Foot of des Aiguilles rapid	535·4	
319·01	Head of des Aiguilles rapid	535·8	
321·65	Foot of Paresseux chute	535·8	
321·85	Head of Paresseux chute	569·6	
322·20	Foot of Little Paresseux rapid	569·6	
322·35	Head of Little Paresseux rapid	578·0	
323·38	Foot of Lake Pimisi (Eel Lake)	590·6	
324·53	Foot of Talon chute	590·6	
324·71	Head of Talon chute	633·3	
325·18	Rapid below Lake Talon	633·3	
325·33	Lake Talon	634·2	639·3
330·08	Foot of Turtle Lake	664·1	665·9
339·36	Trout Lake (summit)	665·0	667·8
	Proposed summit level of canal to be obtained by lowering Trout and Turtle lakes and raising Lake Nipissing	657·2	
	French River—		
351·98	Lake Nipissing	640·5	647·8
382·40	(Area of water surface, 330 sq. miles; of watershed, 3,600; total area of basin, 3,930 sq. miles).		
382·42	Head of Chaudière portage	640·5	647·8
382·72	Foot of Chaudière portage	615·2	
384·03	Foot of Chaudière rapid	614·5	618·2
391·60	Head of Pine rapid	614·5	618·1
391·69	Foot of Pine rapid	611·9	
392·45	Head of Grande Fauille rapid	611·8	615·2
392·53	Foot of Grande Fauille rapid	606·2	
393·22	Head of Buisson rapid	605·8	
393·32	Foot of Buisson rapid	602·5	
393·78	Head of Petite Fauille rapid	602·5	
394·00	Foot of Petite Fauille rapid	598·1	604·5
395·49	Head of Parisien rapid	597·3	
395·70	Foot of Parisien rapid	596·1	599·9
412·72	Head of Grand Recollet rapid	595·8	
412·74	Foot of Grand Recollet rapid	589·0	

Miles from Montreal	OTTAWA AND GEORGIAN BAY CANAL (projected)	Low water	High water
	French River—		
413·74	Head of small rapid.....	588·9	
413·82	Foot of small rapid.....	588·2	
417·54	Head of small rapid.....	588·2	
417·64	Foot of small rapid.....	586·2	590·1
427·81	Head of Petites Dalles rapid.....	586·2	
428·02	Foot of Petites Dalles rapid.....	578·52	
430·76	Georgian Bay, at mouth of French River, (mean water, 1871-1899, 579·90).....	578·52	583·26
	OTTAWA RIVER		
	Area of basin—		
	Sq. miles		
	From headwaters to mouth of Mattawa River.....	18,430	
	From mouth of Mattawa River to Ottawa city.....	27,160	
	From Ottawa to River St. Lawrence.....	10,880	
	Total area of basin.....	56,470	
	At junction with Mattawa River.....	495·2	509·5
	Foot of Cave rapid.....	495·5	509·5
	Head of Cave rapid.....	505	519
	Foot of Les Erables rapid.....	500·3	520·3
	Head of Les Erables rapid.....	518·6	532·6
	Foot of Mountain rapid.....	519·1	533·1
	Head Mountain rapid.....	522·2	540·1
	Foot of Seven-league Lake.....	522·2	540·1
	Head of Seven-league Lake.....	522·7	542·6
	Head of Long Sault rapid.....	577·6	591·6
	" " (1887).....	572	591
	" " (1894).....	571	591
	Lake Temiscaming—		
	Below Opimika Narrows.....	577	591
	Above Opimika Narrows.....	577·8	591·8
	Above Old Fort Narrows.....	578	592
	RIDEAU CANAL		
Miles from Ottawa			
0·0	Foot of locks at Ottawa, lowest water on record, Sept. 28, 1881.....		124·6
0·1	Above Ottawa lock station.....		208
5·0	" Hartwell " ".....		228
6·5	" Hogsback " ".....		242·5
10·0	" Black Rapids lock station.....		251·5
15·0	" Long Island " ".....		276·7
42·0	" Burritt " ".....		287
43·5	" Nicholson " ".....		301·5
45·0	" Clowes " ".....		311
46·5	" Merrickville " ".....		336
54·5	" Maitland " ".....		338·5
58·5	" Edmonds " ".....		348
60·0	" Old Sly " ".....		364·5
61·0	" Smiths Falls " ".....		397·5
63·0	" Poonamalie " " (Rideau Lake).....		403·5
83·0	" Narrows " " (Upper Rideau Lake, summit level).....		407·8
88·5	Below Isthmus " " (Mud, Clear, Indian and Mosquito lakes).....		403·3
93·0	" Chaffey " " (Opinicon Lake).....		395·8
95·5	" Davis " " (Sand Lake).....		383·1
98·5	" Jones Falls " " (Whitefish and Cranberry lakes).....		323·1
109·5	" Upper Brewers " ".....		306·1
111·5	" Lower Brewers " ".....		291·9
127·5	Lake Ontario at Kingston, standard low water.....		243·45
	GANANOQUE RIVER		
	Morton, crest of dam.....		325·1
	" water above dam.....		323·1
	" water at bridge.....		298·2
	Delta or Lower Beverly Lake.....		295·1

GANANOQUE RIVER		Low water
	Lyndhurst, upper mill pond.....	295.7
	Lyndhurst, lower mill pond.....	271.3
	Killenbeck Lake	272.7
	Long Lake.....	271.1
	Singleton Lake.....	270.8
	Charleston Lake.....	271.7
	Gananoque River at Marble Rock.....	262.3
	St. Lawrence River, at mouth of Gananoque River, standard low water	243.4
TRENT CANAL		
Miles from Trenton	Lake Ontario at Trenton, standard low water.....	243.45
0.0	Trent River—	
6.2	At Frankford.....	361
15.5	Foot of Chisholm rapids.....	361
28.5	Percy Reach.....	374
38.5	Head of Ranney falls.....	424
37.5	Foot of Middle falls.....	482
37.5	Head of Middle falls.....	527
38.0	Crow Bay.....	528
42.5	Head of Heely falls.....	605
61.0-73.5	Rice Lake.....	614
93.2-94.5	Little Lake.....	620
104.0-107.9	Katchiwannoe Lake	761
107.9-115.5	Clear and Stony lakes.....	768
117.7	Head of Burleigh Canal.....	790
	Lovesick Lake.....	790
	Deer Bay.....	793
	Little Buckhorn Lake.....	795
125.0-140.5	Buckhorn and Pigeon lakes.....	805
140.7-156.0	Sturgeon Lake.....	812
156.7-161.5	Cameron Lake.....	835
161.5-166.5	Balsam Lake (summit).....	838
183.0	Lakes Simcoe and Couchiching, low water (Oct. 17, 1900). (Area of water surface, 500 sq. miles; of watershed, 1,750; total area of basin, 2,050 sq. miles).	718
235.0	Lake Huron, standard low water.....	578.52
	Lake Scugog Branch—	
161.2	Below Lindsay lock.....	813
161.2	Above Lindsay lock.....	821
190.0	Lake Scugog.....	821
MADAWASKA RIVER		Elevation
	Ottawa River, Chats Lake, high water, 246; low water.....	239
	Calabogie Lake	507
	Head of High falls.....	611
	At 'Wright and Batsons'.....	891
	At confluence with York River.....	931
	Lake Kaministiquia.....	931
	Bark Lake.....	1,010
	Canada Atlantic Ry. bridge near Madawaska station.....	1,014
	Canada Atlantic Ry. second crossing, near 272 miles.....	1,177
	Rapid Lake.....	1,239
	Long Lake.....	1,281
	Rock Lake.....	1,281
	Whitefish Lake.....	1,281
	Lake of Two Rivers	1,289
	One and half miles east of Cache Lake station	1,357
	Cache Lake	1,406
	Height-of-land between Madawaska and Muskoka rivers	1,506
YORK RIVER		
Miles from Madawaska R.	York River at confluence with Madawaska River.....	931
0.0	Head of Conroy rapid, rise 3.0 ft.....	936
7.7	Head of fall, rise 18.5 ft.....	973
25.8	Head of rapid, rise 8.7 ft.....	983
26.8	Head of falls, rise 34.3 ft.....	1,019
27.6	Head of falls and rapids, rise 23 ft.....	1,045
33.4		

Miles from Madawaska R.	YORK RIVER	Elevation
37.1	Head of Bancroft rapid, rise 20 ft.	1,067
50.0-57.0	Kaijick-Manitou or Baptiste Lake	1,205
68.5	Papineau Lake	1,214
Miles from Ottawa River	BONNECHERE RIVER	
0.0	Ottawa River, Chats Lake, high water, 246; low water	239
1.2	Head of 1st chute, rise 32.66 ft	272
7.6	Head of 2nd chute, rise 82.61 ft	364
8.6	At Canadian Pacific Ry. bridge, Renfrew, low water, 362; high water, 371; ordinary water	365
20.9	Head of 3rd chute, rise 21.00 ft	404
21.2	At Canadian Pacific Ry. bridge, Douglas	405
24.5	Head of 4th chute, rise 38.11 ft	471
29.5	Head of Eganville rapids, rise 44.07 ft., water, (Oct. 2, 1900)	531
33.7-35.2	Mud Lake	550
38.7-46.0	Golden Lake, water (Oct. 2, 1900)	560
52.7-56.7	Round Lake	564
66.2	Source of Little Madawaska River	983
67.0	Height-of-land between Bonnechere and Madawaska	991
Miles from Ottawa River	PETAWAWA RIVER	
0.0	Ottawa River, Allumette Lake, high water, 370; low water	364
0.8	Head of fall, rise 17 ft.	386
1.3	Head of fall, rise 15.3 ft	402
2.3	Head of fall and rapid, rise 15.7 ft	418
4.1	" fall and rapid, rise 15.3 ft	435
6.3	" fall and rapid, rise 14.5 ft	452
8.0	Junction with South branch	454
9.6	Head of rapid, rise 20 ft.	475
14.8	" rapid, rise 10 ft.	498
29.5	" falls and rapids, rise 12 ft.	515
31.7	" falls and rapids, rise 27.5 ft	543
37.1	" falls and rapids, rise 30 ft	575
38.2	" falls and rapids, rise 48.5 ft	627
40.4	" rapid, rise 7 ft	634
44.2	" rapid, rise 19 ft	654
46.5-50.2	Travers Lake	655
50.7	Head of falls and rapids, rise 135 ft	790
54.1	Head of cascade, dam and slide, rise 22 ft	814
62.7-65.0	Trout Lake	863
	Hills to south-west and north of Trout Lake	1,550-1,650
68.0	Head of fall and rapid, rise 46 ft	910
69.1	" rapid, rise 36.1 ft	947
70.1	" dam and rapids, rise 17.5 ft	965
70.5	" rapids, rise 18.6 ft	984
70.5-74.7	Cedar Lake	984
74.9	Head of fall and rapids, rise 78.2 ft	1,062
75.8	" fall, rise 40.2 ft	1,103
77.0	" rapid, rise 24 ft	1,128
77.5	" fall and rapid, rise 47 ft	1,176
78.7	" rapids, rise 46.9 ft	1,223
80.7-84.0	Catfish Lake	1,224
90.2	Burnt Lake	1,254
102.2	White Trout Lake	1,271
109.7	Otter-slide Lake	1,340
Miles from Lake Huron	MUSKOKA RIVER	
0.0	Lake Huron, mean level (1871 to 1899)	579.90
2.3	Head of 1st fall, rise 10.4 ft	592
7.8	Head of 3rd fall, rise 13.1 ft	613
9.0	Head of 4th fall, rise 30.6 ft	644
16.5	Head of 8th fall, rise 34.8 ft	714
20.7	Head of 10th fall, rise 23.4 ft	744
20.7-34.2	Muskoka Lake, water (Aug., 1900)	745

Miles from Lake Huron	MUSKOKA RIVER	Elevation
39.0	Confluence of East River and South branch, Muskoka River	745
39.0	East River—	
39.5	Confluence with South branch	745
39.7	Head of Bracebridge fall, rise 51.7 ft.	797
41.0	Head of fall and rapid, rise 7.6 ft.	800
54.7-58.5	Head of falls, rise 37.7 ft.	842
63.5-66.2	Mary Lake	928
67.0-70.7	Fairy Lake	936
	Peninsula Lake	936
	Vernon Lake	936
	East River at Grand Trunk Ry. bridge, near Melissa P.O.	938
	Little East River at Grand Trunk Ry. bridge near Novar.	1,066
	Rainy Lake	1,438
	Height of land between East and Meganatawan rivers.	1,536
	South Branch—	
39.0	Confluence with East River at Bracebridge	745
63.7-77.0	Lake of Bays	1,038
79.2	Head of falls, rise 22 ft.	1,060
80.8-81.7	Head of rapid and fall, rise 49 ft.	1,109
81.8	Head of rapid and fall, rise 20.9 ft.	1,130
82.8	Head of rapid and fall, rise 50 ft.	1,180
84.0-85.2	Ox-tongue Lake	1,180
86.9	Head of fall, rise 77.5 ft.	1,256
105.7-108.2	Canoe Lake	1,319
102.2-125.5	Burnt Island Lake	1,340
	Potter Lake	1,426
	Height of land between South branch and Petawawa River	1,345
	MEGANATAWAN RIVER	
0.0	Lake Huron, mean water (1871-1899)	579.90
10.7	Small lake	613
12.7	Confluence with South branch	614
14.7	Head of rapids and falls, rise 44.81	659
16.2	Head of three falls, rise 2.40, 7.72 and 10.60 feet, respectively	681
17.0-17.7	Island Lake	681
21.7	Upper forks	693
25.2	Foot of rapids	694
26.7	Head of three rapids, rise 3.64, 20.56 and 2.00 feet, respectively	720
28.2-32.4	Wawaskesh Lake	720
32.2	Head of fall, rise 10.06 feet	731
33.8	Head of fall, rise 34.20 feet	766
35.0	Head of falls and rapid, rise 21.08 feet	789
37.7	Meganatawan River at Maple Island	797
42.7	Foot of a succession of falls and rapids	835
44.2	Head of a succession of falls and rapids, rise 49.95 feet	885
46.0-51.7	Ahmic Lake	908
54.5	Confluence with Distress River	920
60.0-62.5	Seseebe Lake	922
72.7	At junction with North Branch at Burks Falls	955
78.5	Doe Lake	968
80.2	At Grand Trunk Ry. bridge near Katrine station	969
83.2	Foot of rapids and falls	994
83.7	Head of rapids and falls	1,079
88.2	Long Lake	1,098
94.7-96.2	Wazuzke or Sand Lake	1,111
	SOUTH OR NAMANITIGONG RIVER	
0.0	Lake Nipissing, high water 647.8; low water	640.5
5.7	Head of rapid, rise 27.78 feet	680
6.1	Head of fall, rise 43.62 feet	724
6.7	Head of fall, rise 35.03 feet	759
8.1	Head of rapid, rise 7.58 feet	771
11.0	South River at 'Great elbow' near Powassan	777
15.0	Head of fall, rise 27.59 feet	808
17.1	Head of falls and rapid, rise 22.61 feet	832
17.8	Head of fall, rise 18.30 feet	851
20.0	Head of falls and rapid, rise 6.76 feet	858
	Crossing Canadian Pacific Ry. survey line (1876) high water 879; low water	873

	SOUTH OR NAMANITIGONG RIVER	Elevation
30·7	Head of succession of rapids and falls	1,031
35·0	Head of succession of falls	1,070
	At Grand Trunk Ry. bridge, near South River station	1,147
	Crossing Canadian Pacific Ry. survey line	1,150
	At Bobcaygeon road bridge	1,202
	STURGEON RIVER	
	Lake Nipissing, high water, 647·8; low water	640·5
	Sturgeon River—	
	Below Sturgeon falls	645
	Above Sturgeon falls	676
	Below Sandy falls	680
	Above Sandy falls	696
	Below rapid	697
	Above rapid	703
	Below Smoky falls	704
	Above Smoky falls, high water, 732; low water	722
	Mouth of Tomiko River, high water, 736; low water	723
	Mouth of Pike River, high water, 741; low water	725
	Mouth of Snake Creek, high water, 748; low water	730
	Mouth of Temagami River, high water, 752; low water	735
	Mouth of Maskinonge River, high water, 795; low water	785
	Mouth of Wawashkashing Creek, low water, 811; mean water	815
	Maskinonge River—	
	First Lake	813
	Second Lake	814
	Murray Lake	815
	Fourth Lake	826
	Maskinonge-wagaming Lake	836
	Kookaganing Lake	882
	McLaren River (at foot of portage from lake)	872
	Mattagamashing Lake	871
	Temagami River—	
	Mouth of Temagami River, high water, 752; low water	735
	Island Lake	889
	Red Cedar Lake	900
	Head of swift current	903
	Head of Sand-bar rapid	919
	Head of Burnt Portage rapid	930
	Head of rapid	936
	Head of Log-jam rapid	951
	Head of Twin rapid	957
	Head of Flat rapid	958
	Cross Lake	959
	Temagami Lake	964
	Marten Creek—	
	Red Cedar Lake	900
	Marten Creek—	
	Above rapid	903
	Above rapid	911
	Above rapid	914
	Above rapid	919
	Above rapid	920
	Above falls	935
	Marten Lake	936
	Wicksteed Lake	941
	Forks of outlets of Boice and Mackenzie lakes	944
	Boice Lake	956
	Lower Redwater Lake	1,003
	Upper Redwater Lake	1,004
	Mackenzie Lake	956
	Simpson Lake	966
	Expectation Lake	968
	Desperation Lake	983
	Salvation Lake	1,008
	Breadalbane Lake	986
	McDiarmid Lake	992
	Fanny Lake	994
	Bush Lake	981

STURGEON RIVER		Elevation
Tomiko River—		
Mouth of Tomiko River, high water, 736; low water		723
Tomiko Lake		795
Chebogomog Lake		798
Cameron Lake		803
Tilden Lake		923
Kaotisininigouang Lake		918
Poplar Lake		949
South Spruce Lake		978
North Spruce Lake		978
OTTERTAIL RIVER		
Mouth of Ottertail River, on Lake Temiscaming, high water, 591·8; low water		577·8
White Beaver Lake (Wabaunk Lake)		841
Ruth Lake		991
Beaver pond (head of river)		991
MATABITCHOUAN RIVER		
Lake Temiscaming, at mouth of river, high water, 591·8; low water		577·8
Summit of Matabitchouan portage		927
Beaver Mountain (King of Beavers)		1,247
First Bass Lake		858
Second Bass Lake		858·5
Third Bass Lake		859
Fourth Bass Lake		864
Rabbit Lake		938
White Bear Lake		942
Crooked or Snake Island Lake		953
Net Lake		965
Thieving-bear Lake		975
Mountain Lake (head of Matabitchouan River)		1,029
Ferguson Lake		971
Duncan Lake		971
Petrout Lake		996
Lily Lake		1,001
Peeshabo Lake		1,005
Bogie Lake		1,007
Granite Lake		1,006
James Lake		1,023
Wailikaiginaising or Rib Lake		1,013
Cliff Lake		1,048
Summit Lake		1,168
Friday Lake		1,103
Wilson Lake		1,173
Macdonald Creek—		
Mouth of creek on Fourth Bass Lake		864
Cooper or Macdonald Lake		914
Glasford Lake		927
Small lake		927
Moxam Lake		933·5
Burwash Lake		934
Ross Lake		936
Rabbit Lake		938
MONTREAL RIVER		
Mouth of Montreal River (Lake Temiscaming) high water, 591·8; low water		577·8
Farm house (lumber depot) on Long portage		860
Summit of portage		880
Montreal River—		
At head of Long portage (three miles from mouth)		736
Above first rapid		748
Above second rapid		760
Above third rapid		770
Foot of Fountain falls		773
Head of Fountain falls		793
Head of Ragged chute		823
Above fourth rapid		830

MONTREAL RIVER		Elevation
Montreal River—		
	Above fifth rapid	886
	Above Hound chute	861
	Portage to Mud Lake	869
	Head of sixth rapid	878
	Head of seventh rapid	882
	Foot of eighth rapid	883
	Head of eighth rapid	890
	Bay Lake	890
	Mouth of Temagami branch	903
	Indian Lake	901
	Round or Mountain Lake	911
WHITEFISH RIVER		
0'0	Lake Huron mean water (1871-1899)	579'90
2'0	First lake	632
4'1	Charlton Lake	632
5'0	Cross Lake	733
11'2	Long Lake	754
13'4	Fifth lake	754
15'1	Bear Lake	762
17'4-30'4	Lake Panache	772
31'9	La Vase Lake	772
34'6	Round Lake	780
WAHNAPITAE RIVER		
0'0	Confluence with French River	589
41'0	Route to Whitefish River	704
50'0	Foot of falls and rapids	710
50'3	Head of falls and rapids	770
52'0	Canadian Pacific Ry. bridge, high water	772
64'6	Wahnapitae Lake	858
MISSISSAGI RIVER		
0'0	Lake Huron, mean water (1871-1899)	579'90
12'0	Mouth of Pakowagaming Brook	595
18'4	Foot of 2nd fall	606
18'5	Head "	625
21'0	Foot of 3rd fall	626
21'1	Head "	645
21'5	Foot of 4th fall	645
21'7	Head "	678
25'7	Mouth of Little White River	684
31'7	Foot of Grand portage	696
33'2	Head "	734
33'6	Foot of 7th fall	736
33'6	Head "	762
36'6	East boundary of Gould tp.	770
40'6	Foot of 8th fall	776
40'8	Head "	790
45'8	North boundary of Gould tp.	806
55'9	Head of 9th fall	838
61'9	End of survey	856
OPEONGO ROAD		
Brougham—		
0'60	Constan Creek	612
0'9	Summit, lot 20	638
1'4	Depression near school, lot 24	633
Grattan—		
3'1	Summit, lot 35	737
3'2	Junction with Aird road	725
3'7	Depression, lot 39	673
5'4	Junction with Trout Lake road (Dolan Pass), lot 48	696
8'1	Summit, lot 60	781
9'0	Constan Creek, lot 66	554

Miles from
Opeongo

Miles from Opeongo	OPEONGO ROAD	Elevation
10.2	Summit, lot 71.....	834
	Sebastopol—	
12.0	Summit, lot 57.....	825
12.6	Junction with Hyland Lake road, lot 52.....	777
12.8	Clear Lake, high water, 759; low water.....	755
13.1	Clontarf P. O. lot 50.....	803
15.5	Summit of Plaunt hill, lot 35.....	1,396
16.4	Summit of hill, lot 31.....	1,445
17.0	Mountain or Bass Lake, water.....	1,332
17.3	Depression near Holtermann's, lot 26.....	1,343
18.7	Summit of hill near school, lot 18.....	1,519
19.3	Opposite Madrid P. O., lot 13.....	1,449
20.3	Summit of hill, lot 7.....	1,654
21.7	Pond, divide between Bonnechere and Madawaska waters, lot 1.....	1,409
	Brudenell—	
21.9	Town line between Sebastopol and Brudenell, summit.....	1,431
22.7	Creek, lot 313.....	1,305
23.6	Summit of hill, lot 307.....	1,393
24.8	Depression, lot 299.....	1,225
26.3	Junction of Rockingham road, lot 289.....	1,216
26.9	Depression, lot 285.....	1,193
27.6	Summit, lot 280.....	1,297
28.2	Depression, lot 276.....	1,190
29.4	Summit, lot 269.....	1,311
30.7	Brennan Creek, lot 260.....	1,071
	Aird Road—	
3.2	Junction with Opeongo road, lot 35, Grattan.....	725
5.7	Lake, water.....	1,083
6.2	Creek, water.....	1,083
7.1	Summit.....	1,248
8.0	Depression.....	1,053
9.4	Junction with Trout Lake road.....	1,185
8.5	Summit.....	1,237
9.2	Depression.....	1,173
10.6	Summit.....	1,396
11.6	Creek, water.....	1,202
12.3	Summit of hill near Constans.....	1,436
14.6	Creek, water.....	1,271
15.4	Summit.....	1,320
18.4	Madawaska River at "Wright and Batson's," water.....	891
	Hyland Lake Road—	
12.6	Junction with Opeongo road, lot 52, Sebastopol.....	777
14.6	Forks of creek.....	851
15.7	Small lake.....	1,087
16.4	Summit of hill.....	1,371
17.6	Hyland Lake.....	1,160

ONTARIO—SUNDRY ALTITUDES

Algoma District

Onaping Lake.....	1,417
Lower Onaping Lake.....	1,410
Pogamasing Lake.....	1,201
Windy or Makoping Lake.....	1,060
Whitewater or Nitawagami Lake.....	835
Vermilion or Mazinwaning Lake.....	786
Fairbank or Washaigamog Lake.....	867
Round Lake.....	778
Panache Lake.....	761
Bannerman Lake (Moncrieff tp.).....	1,270
Crab or Crook Lake (Cartier tp.).....	1,348
Geneva Lake.....	1,345
McQuaig Hill (Cockburn Island).....	1,060

ONTARIO—SUNDRY ALTITUDES		Elevation
Algoma District		
Manitoulin Island—		
Wekwemikong Hill.....		905
Church Hill.....		880
Horsburgh Hill.....		770
Burnt Summit.....		980
Cape Smith.....		950
'The Rock', Manitouaning.....		746
Sheguiandah Hill.....		1,015
Top of bluff, lot 5, con. VI, Howland tp.....		946
'High Hill', lot 30, con. VII, Bidwell tp.....		1,120
Dutchman Head.....		760
Maple Bluff.....		842
East Bluff.....		834
Gore Bay, bluff on east side.....		834
Janet Head.....		728
Battery Bluff.....		819
Britomart Point.....		772
North Channel—		
Northeast Hill, (Carlyle tp).....		1,763
Gulch Hill.....		1,535
Killarney Peak.....		1,385
Leading-mark Hill.....		1,460
Broad Hill.....		1,233
Frazer Bay Hill.....		1,210
Lions Rump.....		1,050
Lions Head.....		1,033
Badgley Island.....		950
Partridge Island.....		770
Heywood Island.....		758
Cloche Bluff.....		800
Cloche Mountains—		
East Knob.....		1,330
White Mountain.....		1,335
West Knob.....		1,164
The Notch.....		1,102
Round Hill.....		1,118
Post Hill.....		1,005
McBean Mountain.....		1,207
Mount Victoria.....		1,062
Aird Island.....		773
Hogan Hill.....		865
Roberts Hill, five miles N. W. of Thessalon.....		980
Mamainse Hill.....		1,850
Gargantua Hill.....		1,031
Brulé Harbour Hill.....		1,300
Bruce County		
Cabot Head, West Bluff.....		890
Cabot Head, South Bluff.....		817
Cave Point.....		720
Cape Chin.....		727
Smoky Head.....		752
Lions Head.....		814
Cape Dundas, about.....		880
Cape Paulett, about.....		980
Jones Bluff.....		956
Hay Island.....		940
Kings Point Bluff.....		951
Malcolm Bluff.....		963
Griffith Island, about.....		880
Carleton County		
Richmond village.....		321
Metcalfe village.....		286

ONTARIO—SUNDRY ALTITUDES

Elevation

Frontenac County	
Bedford Township—	
Thalweg between Horswell Lake and Fish Brook, lot 26, con. I	665
Same, between Fish and Eagle brooks, lot 25, con. II	653
Same, between Bobs Lake and St. Andrews Brook, lot 16, con. I	588
Thirteen-island Lake	497
Bobs Lake	532
Crow Lake	535
Canoe Lake	465
Devil Lake, high water 433, low water	431
Mud Lake	448
Birch Lake	449
Desert Lake	450
Ganonto Township—	
Trout Lake, Lower	925
Trout Lake, Upper	944
Clyde River at mouth of Sunday Brook	795
Same, at road bridge, lot 31, con. II	824
Clarendon Township—	
Thalweg between south-west angle Palmerston and swamp, lot 1, con. I ..	911
Swamp, lot 3, con. II	880
Country south of Gull Lake, lot 4, con. IV	927
Thalweg between Gull and Pine Lakes, lot 12, con. IV	948
Same, between Pine Lake and Green Lake Brook, lot 16, con. IV	894
Same, between Green Lake Creek and Mississippi River, lot 24, con. IV ..	891
Same, between Mississippi River and Buckshot Brook, lot 36, con. VIII ..	924
Same, between Buckshot Brook and brook at Playfair's, lot 45, con. IX ..	948
Green Lake Brook, at Frontenac road bridge	856
Mississippi River, at Frontenac road bridge	820
Swamp Brook, at Frontenac road bridge, lot 3, con. VI	829
Buckshot Brook, at Frontenac road bridge	896
Gull Lake	856
Pine Lake	860
Hinchinbrooke Township—	
Cold Brook, lot 4, con. III	496
Thalweg between Napance River and Cold Brook, lot 1, con. III	525
Same, between St. Andrews Lake and Elbow Brook, lot 13, con. II	610
Same, between Elbow and Fish brooks, lot 22, con. II	609
St. Andrews Lake	554
Horswell Lake	584
Eagle Lake	631
Elbow Lake	574
Kingston Township—	
Thalweg between Collins and Little Cataraqui brooks, lot 12, con. IV	372
Same, between Collins Brook and Loughborough Lake, lot 10, con. VII ..	461
Same, between Collins and Glenvale brooks, lot 1, con. V	423
Same, between Mud and Glenvale brooks, lot 5, con. VII	471
Same, between Mud and Collins brooks, lot 13, con. IV	371
Loughborough Township—	
Thalweg between Loughborough and Sydenham lakes, lot 6, con. III	531
Same, between Sydenham and Knowlton lakes, lot 1, con. VI	542
Same, between Thirteen-island and Desert lakes, lot 2, con. XIV	560
Loughborough Lake	401
Sydenham Lake, high water, 425; low water	422
Gould Lake	458
Knowlton Lake	449
Thirty-three Island Lake	449
Sucker Lake	450
Otter Lake	453
Miller Township—	
Brulé Lake	872
Buckshot Lake	970
Brook near Playfair Corners, lot 8	909
Thalweg opposite Brulé Lake, lot 13, con. V	910
Same, lot 12, con. IV	980
Big Brook, lot 15, con. II	974
Summit, lots 27 and 28, cons. I. and II	1,161
Swamp, lot 35, con. III	1,022
North boundary of township, lot 40, con. III	977
Thalweg between swamp and north boundary, lot 38, con. II	1,059
Same, between Buckshot and Brulé lakes, lot 12, con. IV	1,038

ONTARIO—SUNDRY ALTITUDES		Elevation
Frontenac County		
Olden Township—		
Thalweg between St. George and Sharbot lakes, lot 10, con. XI.....		686
Swamp, lot 13, con. III.....		704
Thalweg between Long Lake and swamp, lot 13, con. III.....		777
Sharbot Brook, near Soles corners, lot 19, con. V.....		718
Thalweg between Sharbot and Beaver lakes, lot 22, con. VI.....		853
White Lake.....		680
Long Lake.....		614
Hartney Hill.....		780
Beaver Lake.....		843
Thalweg between Beaver Lake and south-west angle of Palmerston, lot 30, con. VII.....		916
Oso Township—		
Thalweg, between Crow and Sharbot lakes, lot 9, con. V.....		753
Bolton Brook, lot 23, con. VII.....		599
Bolton Brook, lot 22, con. IV.....		645
Thalweg between Bolton Brook and Mississippi River, lot 29, con. VI.....		790
St. George Lake.....		640
White Loon Lake.....		739
Armstrong Lake.....		580
Silver Lake.....		578
Palmerston Township—		
Blaine Lake.....		910
Antoine Lake.....		900
Lavant road, lot 28, con. IX.....		943
Thalweg between Mississippi River and Antoine Lake, lot 23, con. IX.....		928
Same, between Clyde River and Antoine Lake, lot 28, con. X.....		945
South-west angle of township, lot 2, con. I.....		858
Sunday Lake Brook, lot 27, con. VIII.....		878
Summit at McKenzie's, lot 26, con. VIII.....		900
Same, at Watt's, settler's road, lot 25, con. XI.....		919
Mississippi River, lot 10, con. X.....		644
Hill on Mississippi Road, lot 25, con. VIII.....		1,024
Hill, five miles west of Robinson Lake, on Lavant road.....		1,003
Junction of Mississippi and Lavant roads.....		932
Portland Township—		
Mud Brook and Peter Lake, lot 3, con. III.....		408
Big Brook and lot 7, con. V.....		449
Thalweg between Collins and Mud brooks, lot 2, con. I.....		476
Same, between Mud and Big brooks, lot 4, con. IV.....		519
Same, between Big Brook and Napanee River, lot 7, con. VIII.....		535
Same, between Napanee River and Sydenham Lake, lot 3, con. VIII.....		586
Mud Lake.....		446
Napanee Lake.....		446
Silver Lake.....		446
Rock Lake.....		446
Long Lake.....		446
Grey County		
Skinner Bluff		
Esther Cliff.....		951
Halliday Hill.....		951
Dodd Hill.....		1,012
Pyette Hill (top of trees).....		1,092
Coffin Hill.....		934
'The Clay Banks'.....		950
Cape Rich Bluff, lot 32, con. VII., St. Vincent tp.....		1,005
Bluff, lot 10, con. V., St. Vincent tp.....		1,075
Hill, lot 9, con. II, St. Vincent tp.....		1,090
Blue Mountain—		
Bluff, lot 24, con. IV., Collingwood tp.....		1,295
Bluff, lot 18, con. IV., Collingwood tp.....		1,555
Bluff, 'The Caves,' lot 13, con. II., Collingwood tp.....		1,625
Osler Bluff, lot 6, con. I., Collingwood tp.....		1,665

ONTARIO—SUNDRY ALTITUDES		Elevation
Lanark County		
Bockwith Township—		
Franktown, P.O.		482
Lavant Township—		
South Branch Clyde River, lot 15, con. IX.....		603
Same, lot 16, con. IX.....		682
Thalweg on Lavant road, lot 7, con. X.....		1,045
Lowest point, Robinson Lake to Mississippi road, lot 9, con. XII		842
Lavant road—		
Small lake on north side, lot 7, con. V.....		934
Old clearing, one mile west of Robinson Lake.....		1,045
Hill two miles west of Robinson Lake.....		1,024
At bottom of stream flowing to Graham Lake, lot 9, con. XI		841
Little Joe Lake.....		604
Cameron or Round Lake		628
Robinson Lake.....		953
Graham Lake.....		836
Beaver Lake.....		881
Nipissing District		
Lynx Lake.. ..		1,025
Cole Lake.....		1,045
Turner Lake		1,057
Annima-Nipissing Lake.....		1,070
Breches Lake.....		1,085
Mannajigama Lake		1,075
Trout Lake.....		857
Wakemika Lake.....		935
Obabica Lake		932
Wawigama Lake.....		917
Bear Lake.....		997
Angus Lake.....		1,051
Three Portage Lake.....		966
Rankin Lake		976
Miller Lake.....		977
Kettle Lake		1,015
Nosbonsing Lake, high water, 781; mean water.....		776
Emerald Lake		1,009
Sharp Lake.....		905
Mud Lake.....		900
Bay Lake.....		890
Lady Evelyn Lake.....		930
Nonwakaming Lake		955
Big Whitefish Lake.....		1,010
Ramsay Lake		820
Campbell Lake.....		648
Barlow Lake.....		653
Elbow Lake		678
Red Deer Lake		685
Olier Lake.....		984
Denedus Lake		1,022
Wasconsinagama Lake		1,025
Green Lake		1,046
Brophy Lake.....		1,056
Ingall Lake.....		1,050
Jumping Caribou Lake.....		1,048
Upper Twin Lake		993
Lower Twin Lake		977
Mann Lake.....		975
Norris Lake		985
Hanging Stone Lake		919
Rainy River District		
Kishkutena Ridge, near Rainy Lake.....		1,600
St. Joseph, Lake		1,172
Lac Seul.....		1,140
Sandbar Lake		1,086

ONTARIO—SUNDRY ALTITUDES		Elevation
Rainy River District		
Wilcox Lake.....		1,030
English River at mouth of Red Lake River.....		1,105
Sturgeon Lake.....		1,327
Brûlé Lake.....		1,389
Jigak Lake.....		1,390
Pine Lake (English River).....		1,338
Kukukus Lake.....		1,281
Pagutchi Lake.....		1,371
Sand Point Lake.....		1,337
Orang-ontang Lake.....		1,339
Kashabwi Lake.....		1,263
Mennitaki Lake.....		1,154
Kapikwabekkak Lake.....		1,215
Kekekwwabek Lake.....		1,242
Sandy Lake.....		1,190
Little Sandy Lake.....		1,286
Renfrew County		
Admaston Township—		
Thalweg at Carr's, between Bonnechère River and Hall Brook, lot 4, cons. IX and X.....		676
Same, between Bonnechère River and Holliday Brook, lot 3, con. IX.....		676
Same, between Constan Brook and Norway Lake, lot 5, con. XIV.....		682
Alice Township—		
Thalweg, between Indian and Snake rivers, lot 1, con. A.....		540
Bagot Township—		
Thalweg, between Calabogie Lake and Holliday Brook, lot 26, con. IX..		598
Same, between Calabogie and Norway lakes, lot 21, con. X.....		580
Holliday Hill.....		626
Norway Lake.....		545
Allack Lake.....		649
Pero Lake.....		553
Blithfield Township—		
Madawaska River at head of High falls.....		611
Thalweg, between Mile and Clyde lakes, lot 4, con. II.....		666
Clyde Lake.....		640
Mile Lake.....		610
Bromley Township—		
Thalweg, between Snake and Bonnechère rivers, lot 4, con. VII.....		515
Snake River, lot 20, con. IV.....		444
Brougham Township—		
Thalweg, between Brady and Ferguson brooks, lot 1, con. XII.....		598
Same, between Bonnechère River and Holliday Brook, lot 5, con. XIV..		682
Constan Brook, lot 17, con. XVI.....		599
St. Patrick, Mount.....		1,383
Grattan Township—		
Eganville—		
Bonnechère River at road bridge, 531; bridge.....		546
Road opposite post office.....		554
Summit of road to Canada Atlantic Ry. station..		628
Thalweg, between Constan Lake and Bonnechère River at Douglas, lot 3, con. IV.....		706
Swamp, lot 36, con. XI.....		827
Constan Lake.....		637
Griffith Township—		
Trout Lake, high water, 1,246; low water.....		1,243
Constan Hill.....		1,436
McGregor's tavern.....		1,353
Pembroke Township—		
Indian River, lot 14, con. I.....		383
Alumette or Pembroke Lake, high water 375, low water.....		367
Sebastopol Township—		
Marsh, lot 63, Opeongo road.....		738
Westmeath Township—		
Muskrat Lake, low water.....		407
Mud Lake, low water.....		407

ONTARIO—SUNDRY ALTITUDES		Elevation
Renfrew County		
Wilberforce Township—		
Bonnechère River, lot 20, con. VIII.....		531
Thalweg, between Bonnechère River and brook, lot 14, con. VII.....		693
Brook, lot 14, con. XI.....		568
Brook, lot 7, con. XIII.....		554
Thalweg, between last two brooks, lot 8, con. XII.....		612
Same, between last brook and Snake River, lot 6, con. XIII.....		583
Snake River, lot 6, con. XVII.....		468
Brook, lot 8, con. XXI.....		563
Thalweg, between last brook and Snake River, lot 8, con. XX.....		577
Doré Lake, low water.....		468
Russell County		
Duncanville, P.O.....		247
Simcoe County		
Christian Island, about.....		880
Beckwith Island, top of trees.....		897
Hope Island, top of trees.....		870
Giants Tomb Island, top of trees.....		830
Thunder Bay, bluff on east side.....		937
Lafontaine Hill.....		1,040
Penetanguishene, Reformatory Hill.....		790
Victoria Harbour, bluff behind, about.....		780
Thunder Bay District		
Paugon Hill.....		1,450
Tip-top Hill.....		2,120
Michipicoten Island.....		1,537
Oiseau Bay Hill.....		1,500
Peninsula Harbour Hill.....		1,400
Schreiber Hills.....		1,450
Winston Hill.....		1,600
Isle St. Ignace, summit.....		1,863
Nipigon Bay, hill at west end.....		1,600
Rowan Mount, west of Lake Helen.....		1,350
Nipigon, Lake, (area of water surface, 1,730 sq. miles; of watershed, 6,460; total area of basin, 8,190 sq. miles).....		850
Thunder Cape.....		1,950
McKay Mountain.....		1,600
Pie Island.....		1,450
Sand Lake.....		1,330
Whitefish Lake.....		1,530
Arrow Lake.....		1,510
Silver Mountain.....		1,730
Rabbit Mountain.....		1,400
Victoria P. O.....		850
Beaver P. O.....		936
Northern Light Lake.....		1,441
Twin Lake.....		1,484
Nonwatan Lake (Black Sturgeon River).....		738
Black Sturgeon Lake.....		821
Kakakwipitchwi Lake.....		905
Round Lake (Gull River).....		1,373
Lac des Iles (Dog River).....		1,568
Battery Lake.....		1,568
South Br. Albany River, lakes at head.....		1420-1446
Pakeeshkon Lake.....		1,527
PIC AND KENOGAMI RIVERS		
Pic River—		
Intersection with Herrick's exploration line.....		653
Foot of first portage.....		673
Head of first portage.....		712
Foot of second portage.....		724
Head of second portage.....		747

PIC AND KENOGAMI RIVERS		Elevation
Pic River—		
	Foot of third portage.....	751
	Head of third portage.....	831
	Foot of Dying portage.....	836
	Jackfish Pond.....	896
	Kawepetequewa Lake, at head of fifth portage.....	920
	Rabbit Lake.....	940
	McKay Lake.....	1,047
	Mud Lake.....	1,051
Kenogami River—		
	Making-ground River, at end of summit portage.....	1,036
	Long Lake.....	1,013
	Pine Lake, Kenogami River.....	891
	Kenogami River at Long Island.....	600
	Kenogami River at Pembina Island.....	480
	Manitounamaig Lake (N.W. of Long Lake House).....	1,033
	Round Lake, half mile from last.....	1,033
	Muddy Lake (N.W. of Long Lake House).....	1,045
	Fleming Lake.....	1,088
	Kawakashkagana Lake.....	1,069
	Egg Lake.....	1,093
	Mountain Lake.....	1,100
	Granite Mountain on S. side of Mountain Lake.....	1,300
	Height-of-land on Ombabika River route.....	1,150
KAMINISTIGUIA CANOE ROUTE LAKE SUPERIOR TO LAKE WINNIPEG		
Miles from Fort William	Lake Superior at Fort William mean water (1871-1899).....	600-54
0-0	Pariseau rapid (semi-discharge) 15 chs. ascending 5-10 ft.....	650-655
17-7	Kaministiquia River at Canadian Northern Railway, Duluth and Western branch, bridge.....	690
23-0	Mountain portage (Kakabeka falls), 62 chs. ascending 119-05 ft. (including rapids above and below the falls).....	706-825
25-7-26-2	26-7 Ecarte or Rocky portage 38 chs. ascending 62-65 ft.....	825-889
	29-7 Nicolet portage, 6 chs. ascending 6-50 ft.....	895-902
	31-1 Island portage, 3 chs. ascending 12-62 ft.....	912-924
	31-2 Potholes portage, 3 chs. ascending 6-90 ft.....	924-931
	31-5 Knife portage, 5 chs. ascending 19-40 ft.....	932-951
	31-5-31-9 Trois décharges, 35 chs. ascending 10-00 ft.....	952-962
	33-2-33-3 Poplar portage, 8 chs. ascending 3-00 ft.....	973-976
	36-7 Kaministiquia River at Canadian Pacific Ry. bridge.....	990
	38-3 Rapid fall, 5 chs. ascending 4 ft.....	996-1,000
	41-1 Portage des Martres (semi-discharge) 1 ch. ascending 4 ft.....	1,007-1,011
	41-4 Little Dog portage, 4 chs. ascending 14-94 ft.....	1,012-1,027
	42-8-44-6 Little Dog Lake.....	1,030
	44-6-46-2 Great Dog portage, 134 chs. ascending 347-81 ft.....	1,030-1,378
	Summit of Great Dog portage, 490 ft. above Little Dog Lake.....	1,520
	46-2-54-2 Great Dog Lake (221 ft. deep).....	1,378
	79-8 Barrière portage (semi-discharge), 3 chs., ascending 3-80 ft.....	1,382-1,386
	81-5 Jourdain portage, 7 chs. ascending 8-60 ft.....	1,386-1,395
	84-7 Coldwater portage, 5 chs. ascending 0-76 ft.....	1,395-1,396
	84-8 Coldwater Lake.....	1,396
	84-8-87-4 Prairie portage, 210 chs. ascending 157-12 ft. to Height-of-land Lake.....	1,396-1,553
	Summit of Prairie portage, about.....	1,586
	87-4-87-6 Height-of-land Lake.....	1,553
	87-6-88-1 Middle portage, 39 chs. descending 16-39 ft. to Lac du Milieu.....	1,553-1,536
	88-1-89-1 Lac du Milieu or Savanne Lake.....	1,536
	89-2-90-7 Great Savanne portage, 101 chs. descending 31-67 ft. to Savanne River.....	1,536-1,504
	110-7-135-5 Lac des Mille Lacs.....	1,496
	135-5-135-7 Baril portage, 17 chs. ascending 1-86 ft. to Baril Lake.....	1,496-1,498
	135-7-143-2 Baril Lake.....	1,498
	143-2-143-5 Brulé portage, 21 chs. descending 47-02 ft.....	1,498-1,451
	143-5-151-4 Windigoostigwan Lake.....	1,451
	155-4-157-2 French portage, 140 chs. descending 99-71 ft.....	1,446-1,346
	157-2-158-4 French Lake.....	1,346
	168-4-168-7 Pine or Pickerel portage, 26 chs. descending 6-90 ft.....	1,346-1,338
	168-7-170-1 Doré Lake.....	1,338
	170-1-170-4 Deux Rivières portage, 32 chs. descending 117-22 ft.....	1,338-1,221
	171-8-186-1 Sturgeon Lake.....	1,220
	186-1-186-2 First Sturgeon rapid (semi-discharge) 11 chs., descending 4-51 ft.....	1,220-1,215
	186-4 Second Sturgeon rapid, portage 3 chs. descending 6-21 ft.....	1,215-1,209

Miles from Fort William	KAMINISTIQUE CANOE ROUTE—LAKE SUPERIOR TO LAKE WINNIPEG	Elevation
186·4-194·1	Tanner Lake.....	1,199
194·1	Tanner or Mininis rapid, semi-discharge, 5 chs. descending 4·50 ft.....	1,199-1,194
198·7	Island portage, 2 chs. descending 10·06 ft.....	1,193-1,183
201·5-207·9	Lake Negaquon.....	1,181
209·4	Snake portage, 5 chs. descending 12·14 ft.....	1,181-1,169
212·4	Long or Crow portage, 8 chs. descending 9·88 ft.....	1,168-1,158
221·8	High Falls portage, 5 chs. descending 16·08 ft.....	1,151-1,135
223·4-224·4	Long rapid, 80 chs. descending 10·00 ft.....	1,134-1,124
226·1	Namakan rapid, 15 chs. descending 7·00 ft.....	1,124-1,117
227·9-234·7	Namakan Lake.....	1,117
234·8	Kettle Falls or Bare portage, 6 chs. descending 8·55 ft.....	1,117-1,108
235·2-269·9	Rainy Lake.....	1,108
272·0	Chaudière falls, Fort Frances, portage 8 chs. descending 23·92 ft. at low water and 22·33 ft. at high water.....	1,106-1,083
303·6	Manitou rapid, 3 chs. descending 1·37 ft.....	1,068-1,067
311·1	Long Sault rapid, 5 chs. descending 7·26 ft.....	1,064-1,057
346·4-410·6	Lake of the Woods, low water.....	1,054
410·7	Rat Portage, 13 chs. descending 15·98 ft.....	1,054-1,038
420·1	Rapides des Dalles, 10 chs. descending 3·00 ft.....	1,037-1,034
439·0	Grande décharge, 3 chs. descending 5·50 ft.....	1,032-1,027
441·1	Yellow-mud Falls portage, 5 chs. descending 22·02 ft.....	1,025-1,003
441·2	Petit Rocher or Charette décharge, semi-discharge, 4 chs. descending 3·50 ft.....	1,002-999
442·0	Pine or White-earth portage, 10 chs. descending 8·24 ft.....	999-991
442·1	Cave rapid, 3 chs. descending 2·50 ft.....	991-988
445·5	De l'Isle portage, 3 chs. descending 3·40 ft.....	984-981
459·5-462·8	Lake Tétu.....	981
481·0	Grand Galet or Chute à Jacquet portage, 5 chs. descending 13·00 ft.....	978-965
488·8	Grande Pointe des Bois portage, 13 chs. descending 10·50 ft.....	964-953
488·9	Petite Pointe des Bois or aux Chiens portage, 5 chs. descending 19·92 ft.....	953-933
490·1	Third Pointe des Bois or Petite Rocho Brulé portage 3 chs. descending 7·80 ft.....	932-924
494·3	Slavo Falls portage, 30 chs. descending 19·80 ft.....	923-903
500·1	Barrière chute, 3 chs. descending 4·97 ft.....	901-896
507·1	Otter Falls portage, 10 chs. descending 3·00 ft.....	894-891
514·0	1st. portage, 6 chs. descending 10·23 ft.....	883-873
514·2	2nd. " 5 " 8·47 ft.....	872-864
514·4	3rd. " 8 " 5·60 ft.....	862-856
514·9	4th " 3 " 7·68 ft.....	854-846
515·6	5th " 4 " 2·90 ft.....	845-842
515·7	6th " 5 " 8·13 ft.....	840-832
516·5	7th " 6 " 4·75 ft.....	831-826
527·2-533·3	Bonnet Lake.....	823
533·4	Anso or First Galet du Bonnet portage, 1 ch. descending 7·31 ft.....	822-815
535·4	Cap or Second Galet du Bonnet portage, 4 chs. descending 5·00 ft.....	814-809
538·7	Big Bonnet Falls portage, 51 chs. descending 34·23 ft.....	805-771
539·6	Little Bonnet or Rocher du Bonnet portage, 6 chs. descending 8·25 ft.....	770-762
542·6	White-mud Falls portage, 15 chs. descending 13·05 ft.....	758-745
545·5	Des Chênes or First Silver Falls portage, 7 chs. descending 6·06 ft.....	744-738
545·8	First Eaux qui Remuent or Second Silver Falls portage, 13 chs. descending 15·56 ft.....	737-722
551·0	Second Eaux qui Remuent or Pine portage, 12 chs. descending 8·35 ft.....	720-712
552·7	Manitou rapid, 2 chs. descending 1·00 ft.....	712-711
558·8	Lake Winnipeg at mouth of Winnipeg River.....	710
Miles from Fort William	SEINE RIVER CANOE ROUTE—LAC DES MILLE LACS TO RAINY LAKE	
110·7-141·5	Lac des Mille Lacs.....	1,496
145·3	Fall, portage 4 chs. descending 14·33 ft.....	1,488-1,474
148·8	Fall, portage 3½ chs. descending 9·11 ft.....	1,473-1,464
156·8	Little fall, portage 17 chs. descending 10·50 ft. and 14·19 ft.....	1,458-1,433
171·0	Long rapid, portage 10 chs. descending 21·06 ft.....	1,420-1,399
175·5	Fall, portage 2½ chs. descending 11·56 ft.....	1,395-1,383
180·3	Island fall, portage 2 chs. descending 18·06 ft.....	1,379-1,361
180·4-186·3	Kuminiticouchink Lake.....	1,361
186·4	Portage 3 chs. descending 3·98 ft.....	1,361-1,357
186·5-190·0	Clearwater Lake.....	1,357
190·0	Cat-head portage, 2 chs. descending 7·30 ft.....	1,357-1,350
190·1-195·0	Cat Lake.....	1,350
195·1	Portage 4 chs. descending 7·48 ft.....	1,350-1,343

Miles from Fort William	SEINE RIVER CANOE ROUTE—LAC DES MILLE LACS TO RAINY RIVER	Elevation
195.1-198.5	Moose Lake	1,342
198.6	Fall, portage 2½ chs. descending 11.58 ft.	1,341-1,330
200.4	Two Island fall, portage 2 chs. descending 6.00 ft.	1,330-1,324
200.9	Portage 1½ chs. descending 11.80 ft.	1,324-1,312
201.1	Steep fall, portage 12 chs. descending 36.90 ft.	1,312-1,275
201.2-212.7	Steep Rock Lake	1,275
212.8-219.5	Perch Lake	1,272
219.6-224.2	Lake-expansion.	1,267
224.3-225.4	Falls, descending 8.81, 3.42 and 6.95 ft., respectively, and intermediate rapids, 10.30 ft. to Nonwatin Lake.	1,267-1,238
225.4-230.6	Nonwatin Lake	1,238
230.6	(1st portage, 1½ chs. descending 6.20 ft.	1,238-1,232
230.8	2nd " 1 " 4.15 ft.	1,231-1,227
231.6	Brulé " 2 " 31.06 ft.	1,225-1,194
232.3	Kettle Falls, portage 1½ chs. descending 4.75 ft.	1,192-1,187
232.9	5th portage, 1½ chs. descending 4.91 ft.	1,185-1,180
233.9	6th " 2 " 12.34 ft.	1,178-1,166
235.0	7th " 1½ " 6.25 ft.	1,163-1,167
237.2	8th " 1½ " 6.80 ft.	1,156-1,149
237.5	9th " 1 " 7.03 ft.	1,149-1,142
238.0	10th " 2½ " 7.20 ft.	1,141-1,134
238.6	11th " 2½ " 11.20 ft.	1,133-1,122
239.5	(Sturgeon Falls portage 1½ chs. descending 11.98 ft.	1,120-1,108
239.6	Rainy Lake	1,108
Miles from L. Superior	PIGEON RIVER CANOE ROUTE	
0.0	Lake Superior, mean water (1871-1899).	600.54
8.4	Grand portage, 8 miles 30 chains, ascending 658.16 ft.	601-1,259
7.4	Summit of Grand portage	1,300
10.6-10.8	Partridge portage, 20 chs., ascending 69.05 ft.	1,261-1,330
20.2-21.3	Fowl portage, 91 chs., ascending 82.44 ft.	1,356-1,438
21.3-25.9	Fowl Lake.	1,438
25.9-26.3	Moose portage, 34 chs., ascending 51.71 ft.	1,438-1,490
26.3-31.4	Moose Lake	1,490
31.4-31.9	Big Cherry portage, 37 chs., ascending 132.91 ft.	1,490-1,623
32.4-32.6	Mud portage, 13 chs., ascending 9.92 ft.	1,623-1,633
33.2-33.3	Little Cherry portage, 10½ chs., ascending 16.62 ft.	1,634-1,651
33.4-41.2	Mountain Lake	1,651
41.2-41.5	Watap portage, 24½ chs., ascending 12.88 ft.	1,651-1,664
41.5-46.5	Watap or Mud Lake.	1,667
46.5-48.0	Great New portage, between Pigeon and Arrow rivers, 118 chs., descending 138.67 ft.	1,667-1,528
47.3	Summit of Great New portage.	1,715
48.0-52.4	Rose Lake.	1,528
52.4	Portage, 1 ch., ascending 3.10 ft.	1,528-1,531
53.0-53.2	Portage 17 chs., ascending 19.23 ft.	1,532-1,551
53.2-56.4	South Lake	1,551
56.4-56.7	Height-of-land portage, 21 chs., descending 5.74 ft.	1,551-1,545
56.5	Summit of Height-of-land portage.	1,595
56.7-69.5	Gunflint Lake	1,545
69.6	Little Rock portage, 1½ chs., descending 12.75 ft.	1,545-1,532
70.3	Mill Fall portage, 6 chs., descending 21.28 ft.	1,532-1,511
71.1	Island portage, 23 chs., descending 46.42 ft.	1,511-1,465
73.4	Portage, 15 chs., descending 10.42 ft.	1,464-1,454
77.6-82.3	Birch Lake	1,442
82.3	Portage 1 ch., descending 5.09 ft.	1,442-1,437
83.2	Portage 1 ch., descending 3.96 ft.	1,437-1,433
83.2-94.2	Saganaga Lake	1,432
95.1-95.3	Swamp portage, 19 chs., descending 47.13 ft.	1,432-1,385
95.2	Summit of Swamp portage	1,460
95.2-100.0	Cypress Lake	1,385
100.0	Little Knife portage, 2½ chs., descending 4.88 ft.	1,385-1,380
100.0-108.3	Knife Lake.	1,380
108.3-108.7	Big Knife portage, 33 chs., descending 19.21 ft.	1,380-1,361
110.0	Portage 3 chs., descending 4.90 ft.	1,361-1,356
112.3-112.5	Carp portage, 14½ chs., descending 26.77 ft.	1,356-1,329
112.6-116.9	Carp Lake.	1,329
117.0	Basewood or Birch Lake portage, 8½ chs., descending 39.83 ft.	1,329-1,289

Miles from L. Superior	PIGEON RIVER CANOE ROUTE	Elevation
117°0-131°9	Basswood Lake.....	1,289
132°0	Wood Lake portage, 7 chs., descending 13° 34 ft.....	1,289-1,276
132°4	Fir portage, 16 chs., descending 12° 34 ft.....	1,276-1,264
132°7	Portage, 7½ chs., descending 11° 12 ft.....	1,263-1,252
133°5	Portage, 3 chs., descending 10° 84 ft.....	1,252-1,241
133°5-150°2	Crooked Lake.....	1,241
150°2	Curtain Fall portage, 8 chs., descending 26° 23 ft.....	1,241-1,215
150°2-154°7	Iron Lake.....	1,215
154°7-154°9	Bottle portage, 20 chs., descending 33° 77 ft.....	1,215-1,181
155°0-170°0	Nequaquon Lake or Lac la Croix.....	1,181
	MANITOU CANOE ROUTE—WABIGOON LAKE TO RAINY LAKE	
	Wabigoon Lake.....	1,206
	Dinorwic or Little Wabigoon Lake.....	1,206
	Stanawan or Grassy River Lake.....	1,206
	Minnehaha Lake.....	1,206
	First lake north of summit.....	1,234
	Summit of portage.....	1,276
	Summit Lake.....	1,275
	Manitou Lake.....	1,215
	Pickarel Lake.....	1,214
	Sphene Lake.....	1,160
	Devils fall, descending 47° 6 ft.....	1,156-1,108
	Rainy Lake.....	1,108
	INTERNATIONAL BOUNDARY—49TH PARALLEL	
	Lake of the Woods, long. 95° 17'.....	1,057
	Branch of Roseau River, long. 95° 40'.....	1,030
	Highest point between Lake of the Woods and Red River, long. 95° 49'.....	1,061
	Pine River, long. 95° 55'.....	1,027
	Roseau swamp, long. 96° 08'.....	1,004
	Roseau River, long. 96° 30'.....	950
	West Roseau Astronomical station, long. 96° 47'.....	996
	Red River Ast. Sta., (west bank), long. 97° 14'.....	788
	Michelle Ast. Sta., long. 97° 40'.....	844
	East Pembina Mountain Ast. Sta., long. 98° 01'.....	1,030
	Pembina Mountain, highest point on line, long. 98° 10'.....	1,695
	West Pembina Mountain Ast. Sta., long. 98° 16'.....	1,531
	Long River Ast. Sta., long. 98° 55'.....	1,552
	East Turtle Mountain Ast. Sta., long. 99° 46'.....	1,800
	Turtle Mountain, highest point on line, long. 100° 25'.....	2,534
	West Turtle Mountain Ast. Sta., long. 100° 31'.....	2,092
	First Souris River Ast. Sta. (west bank), long. 100° 58'.....	1,421
	South Antler Creek, long. 100° 1°.....	1,600
	South Antler Ast. Sta., long. 100° 28'.....	1,645
	Ast. Sta. (U.S. No. 8), long. 102° 26'.....	1,985
	Third Souris River Ast. Sta., long. 103° 11'.....	1,981
	Grand Coteau Ast. Sta., long. 103° 35'.....	1,900
	Mid Coteau Ast. Sta., long. 104° 06'.....	2,141
	Big Muddy Ast. Sta., long. 104° 40'.....	2,400
	Bully Spring Ast. Sta., long. 105° 12'.....	2,533
	Poplar River Ast. Sta., long. 105° 42'.....	2,559
	Missouri Coteau, highest point on line, long. 106° 11'.....	3,200
	West Poplar Ast. Sta., long. 106° 13'.....	2,868
	West Poplar River, long. 106° 21'.....	2,717
	Summit, long. 106° 30'.....	2,997
	Little Rocky Ast. Sta., long. 106° 47'.....	2,516
	Frenchman Creek, long. 107° 17', water.....	2,571
	Frenchman Creek, Ast. Sta., long. 107° 24'.....	2,866
	Cottonwood Coulee Ast. Sta., long. 107° 46'.....	3,170
	Prairie Pool Ast. Sta., long. 108° 13'.....	2,942
	Goose Lake Ast. Sta., long. 108° 49'.....	3,030
	East Fork Ast. Sta., long. 109° 24'.....	2,770
	West Fork Ast. Sta. long. 109° 42'.....	2,494
	Milk River, east bank, long. 110° 22'.....	2,940
	Milk River, first crossing, long. 110° 25'.....	2,600

INTERNATIONAL BOUNDARY—49TH PARALLEL	Elevation
Milk River, west bank, long. 110° 38'	2,832
Milk River Ast. Sta., long. 110° 44'	2,806
East Butte Ast. Sta., long. 111° 11'	3,900
West Butte Ast. Sta., long. 111° 33'	4,189
Red Creek Ast. Sta., long. 112° 00'	3,550
Highest point between Red Creek and South Branch Milk River, long. 112° 23'	4,115
South branch Milk River Ast. Sta., long. 112° 33'	3,428
North branch Milk River Ast. Sta., long. 112° 58'	4,145
St. Mary River, long. 113° 17'	4,127
East Rocky Mountains Ast. Sta., long. 113° 27'	4,717
Chief Mountain or Waterton Lake, long. 113° 53'	4,186
Akamina Ast. Sta. (summit of Rocky Mountains), long. 114° 03'	9,055
	10,503
RED RIVER	
Lake Winnipeg, ice (1876), 709; low water, 708; high water, 713; mean water	710
At Selkirk, general prairie level, 737; extreme high water (1826), 731; (1852), 725; ice (1876)	711
At Lower Fort Garry (Stone Fort), general prairie level, 751; extreme high water (1826), 745; (1852), 735; (1875), 733; ice (1876)	712
At St. Andrews church, general prairie level 753; extreme high water (1826), 752; (1852), 744; (1875), 735; ordinary spring floods, about 734; ice (1876)	716
At Kildonan church, general prairie level, 754; extreme high water (1826), 761; (1852), 757; (1860), 751; (1875), 743; ice (1876)	724
Mouth of Assiniboine River, general prairie level, 757; extreme high water (1826), 762; (1852), 760; (1860), 758; (1875), 743; ice (1876)	725
Morris River, near mouth, high water, 766; low water	739
At Emerson, extreme high water, 787; low water	750
ASSINIBOINE RIVER	
At confluence with Red River, general prairie level 757; extreme high water (1826), 762; (1852), 760; (1860), 758; (1875), 743; ice (1876), 725; low water	724
At Canadian Pacific Ry., Pembina branch, bridge, high water, 743; low water	734
At St. James, high water, 754; low water	736
At mouth of Sturgeon Brook, ordinary stage	745
At Headingly, high water, 764; low water	754
At Canadian Pacific Ry., South Western branch, bridge, extreme high water, 763; bed, 743; low water	753
At crossing of the principal meridian, water, ordinary stage	757
At St. François Xavier church, top of bank, 784; water	765
In lot 230, Baie St. Paul, top of bank, 794; water	779
Assiniboine River at centre of lot 142, Baie St. Paul, top of bank, 808; water, ordinary stage	796
Long Lake, between Reaburn and Poplar Point stations, occupying a former channel of the Assiniboine, high water, 803; low water	798
At Northern Pacific Ry. bridge, five miles east of Portage la Prairie, bed, 814; high water	842
Near site of old Hudson's Bay Co. fort, two miles south-west of Portage la Prairie, extreme high water, May 3-15, 1882, when the river overflowed to Lake Manitoba (rise caused by an ice jam)	854
In Sec. 36, Tp. 8, R. XL, approximately	1,000
At mouth of Souris River	1,110
At Canadian Pacific Ry., main line, bridge, near Brandon	1,159
At mouth of Qu'Appelle River, bed	1,262
Near the southern boundary of Sec. 2, Tp. 23, R. XXI, W. (2 miles below mouth of Shell River), high water, 1,363; low water	1,354
At Canadian Pacific Ry., North Western branch, bridge, bed, 1,316; water ..	1,321
Three miles below Fort Pelly	1,475
At crossing of old location, Canadian Pacific Railway, high water, 1,678; ordinary water	1,677
QU'APPELLE RIVER	
At confluence of Qu'Appelle and Assiniboine rivers, bed	1,262
Round Lake (maximum depth, 30 feet) ..	1,364
Crooked Lake (maximum depth, 86 feet) ..	1,389

QU'APPELLE RIVER	Elevation
Fishing lakes, four in number, with intervening descents of about a half-foot (maximum depth of these lakes, in ascending order, 66, 48, 57 and 54 feet respectively), water. Last Mountain or Long Lake, tributary of the Qu'Appelle Qu'Appelle River at Canadian Pacific Ry., Craven spur, bridge, low water... Qu'Appelle River at Canadian Pacific Ry., Prince Albert branch, bridge, water Highpound or Buffalo Lake (about 20 feet deep). Sandhill or Eyebrow Lake (about 20 feet deep). At crossing of E. Bdy, Sec. 30, Tp. 23, R. 11. Height of land between Aiktow Brook and Qu'Appelle River	1,500 1,597 1,594 1,606 1,665 1,755 1,768 1,798
PEMBINA RIVER	
At confluence with Red River at Pembina, extreme high water, 788; extreme low water. At Northern Pacific Railway bridge. At Neche, N. Dakota, high water, 832; low water. At the St. Joseph, N. Dakota bridge, water At the Walhalla, N. Dakota bridge, high water, 943; low water. On the International boundary, about. Sec. 21, Tp. 1, R. VIII., bed. At Canadian Pacific Railway, Pembina branch, bridge, 113.8 miles from Winnipeg. Swan Lake, about. Pembina River, Sec. 12, Tp. 3, R. XIII., bed, 1,309; high water. Rock Lake, high water, 1,330; ice. Pembina River, Sec. 24, Tp. 3, R. XV., high water, 1341; low water. Lakes Lorne and Louise, expansions of Pembina River, water. Outlet of Pelican Lake, Sec. 32, Tp. 3, R. XV., bed. Grass and Pelican lakes, nearly. Bono Lake in Lang valley. Divide between Souris and Pembina rivers in Lang valley, outlet of the glacial Lake Souris. Pembina River, Sec. 36, Tp. 3, R. XVI., water. At Canadian Pacific Ry., Pembina branch, crossing 169.7 miles west from Winnipeg, bed, 1,603; water. White-water Lake, high water, 1,637; low water.	748 757 813 865 934 1,100 1,187 1,287 1,310 1,328 1,331 1,329 1,332 1,337 1,340 1,357 1,364 1,379 1,605 1,632
SOURIS RIVER	
At confluence with the Assiniboine. At Canadian Pacific Ry. bridge near Treesbank, water. At Northern Pacific Ry. bridge near Wawanesa, high water. At the 'Elbow,' Sec. 4, Tp. 6, R. XVIII. (west end of Lang valley), about. At Canadian Pacific Ry. bridge near Menteith, bed, 1,352; water. At Canadian Pacific Ry. bridge near Melita, high water (1882), 1,405; low water. First crossing, International boundary, long. 100° 57', about. At Towner, N. Dakota. At Minot, N. Dakota. Second crossing International boundary, long. 101° 57', about. Sec. 36, Tp. 1, R. VI., high water, 1,717; low water. At Canadian Pacific Ry., Pasqua branch, bridge at Roche Percée, bed. Moose Mountain Creek, at Can. Pac. Ry. bridge near Alameda station, water. Long Brook, at Canadian Pacific Ry. bridge near Weyburn station, bed.	1,110 1,113 1,143 1,265 1,354 1,387 1,415 1,415 1,445 1,535 1,650 1,700 1,707 1,711 1,836
NELSON RIVER	
'The effect of the tide extends to Gillam or Lower Seal Island, which is about 20 miles from Hudson Bay. Spring tides on the west coast of Hudson Bay are quite uniformly 11 or 12 feet, being greater than on the east coast. They are highest at the mouth of the Nelson River, amounting there to about 15 feet. 'The average depth of Hudson Bay is about 70 fathoms throughout, deepening to 100 and upwards in approaching the outlet of Hudson Strait, while in the strait itself the soundings along the centre vary from about 100 to upwards of 300 fathoms. The bottom appears to consist almost everywhere of boulder clay and mud.' Foot of first or lowest Limestone rapid, about 90 miles above its mouth, about Foot of Broad rapid, '2 miles wide and full of knobs and little ridges of gneiss,' 111 to 116 miles from the mouth, about Twelve-foot chute, 43 miles below Gull Lake, about.	50 125 188-200

NELSON RIVER		Elevation
Gull Lake, about.....		420
Split Lake, about.....		440
Grand rapid, 'a descent of about 15 feet in the form of steep chute,' four miles south of Split Lake, about		445-460
Sipi-week Lake, about.....		565
Pipestone and Cross lakes.....		665
Sea River falls, 17 miles below Norway House, about.....		700-705
Great and Little Playgreen lakes.....		710
Lake Winnipeg.....		710
SASKATCHEWAN RIVER		
Lake Winnipeg, high water, 713; low water, 708, mean water		710
Foot of Grand rapid.....		720
Head of Grand rapid.....		791
The Grand rapid has a total fall in five miles of 71 feet, the most of which is concentrated into two miles in the middle of the distance. In these two miles the river has cut a deep narrow gorge in the horizontal limestone.		
Cross Lake.....		822
Cedar Lake.....		828
Confluence of North and South Saskatchewan, estimated.....		1,250
NORTH SASKATCHEWAN RIVER		
At confluence with South Saskatchewan, estimated.....		1,250
At Prince Albert.....		1,360
Mouth of Battle River.....		1,500
At Fort Pitt.....		1,689
Mouth of Saddle Creek.....		1,790
Mouth of Smoky Creek, two miles below Victoria.....		1,838
Edmonton, top of north bank, 2,177; high water, 2,012; water (Sept. 29, 1890).....		1,995
At crossing of old location, Canadian Pacific Railway, long. 114° 01', extreme high water, 2,114; low water.....		2,004
At 'Big' coal seam, long. 114° 31'.....		2,274
Mouth of Brazeau River.....		2,604
At Rocky Mountain House.....		3,177
At 'Kootenay plains'.....		4,370
Mouth of Little Fork River.....		4,500
BATTLE RIVER		
At confluence with North Saskatchewan.....		1,500
Crossing on old location, Canadian Pacific Railway, high water, 1,518; ordinary water.....		1,510
Fort Pitt trail crossing, near 4th Meridian.....		1,718
Buffalo Creek, one mile from Battle River.....		1,990
'Elbow' in Tp. 39, R. XII.....		2,150
Dried Meat Lake, a lake-expansion.....		2,255
Lake-expansion in Tp. 43, R. XXIII.....		2,515
At Canadian Pacific Railway, Edmonton branch, bridge.....		2,612
Mouth of Pigeon Lake Creek.....		2,767
Battle Lake.....		2,795
SOUTH SASKATCHEWAN RIVER		
At confluence with North Saskatchewan, estimated.....		1,250
At crossing of old location, Canadian Pacific Railway, high water, 1,528; ordinary water.....		1,514
Canadian Pacific Railway, Prince Albert branch, crossing, extreme high water, 1,533; bed, 1,524; ordinary water.....		1,538
At the 'Elbow'.....		1,683
West boundary, Sec. 18, Tp. 20, R. X.....		1,796
At mouth of Red Deer River.....		1,892
At Medicine Hat, high water, 2,154; low water.....		2,137
Confluence of Bow and Belly rivers.....		2,212
BOW RIVER		
At confluence with Belly River to form the South Saskatchewan.....		2,212
West boundary Sec. 30, Tp. 21 R. XXVII, W. of 4th Mer.....		3,082

BOW RIVER	Elevation
Mouth of Highwood River, nearly	3,096
North boundary, Sec. 34, Tp. 21, R. XXVIII.	3,116
West boundary, Sec. 7, Tp. 22, R. XXVIII.	3,162
Mouth of Fish Creek, nearly	3,250
North boundary, Sec. 32, Tp. 22, R. XXIX.	3,275
At Canadian Pacific Railway bridge, three and half miles east of Calgary.	3,354
At highway bridge at Calgary, flood, 3,403; high water, 3,401; low water.	3,398
West boundary, Sec. 19, Tp. 24, R. I., W. of 5th Mer.	3,445
At railway bridge, one and half miles east of Keith, flood, 3,492; high water, 3,489; low water.	3,487
West boundary, Sec. 30, Tp. 25, R. III.	3,602
At Can. Pac. Ry. bridge at Mitford, high water, 3,695; low water.	3,692
At Can. Pac. Ry. bridge, one mile east of Kananaskis, water.	4,188
At exit from Rocky Mountains, nearly.	4,200
Lac des Arcs, lake-expansion.	4,217
At Can. Pac. Ry. bridge, six miles west of Canmore, high water, 4,352; low water.	4,349
Same, seven miles west of Canmore, high water, 4,370; low water.	4,367
Bow River, 6.6 miles west of Cascade.	4,595
South branch Bow River, at Can. Pac. Ry. bridge near Laggan, water.	5,054
Lower Bow Lake.	5,530
Upper Bow Lake.	6,200
Summit of Kicking Horse pass.	5,329
Summit of Little Fork pass.	6,775
RED DEER RIVER	
At confluence with South Saskatchewan.	1,892
Lorne trail crossing.	2,191
Mouth of Rosebud River.	2,254
Mouth of Trail Brook.	2,415
Canadian Pacific Railway bridge, high water, 2,784; low water.	2,773
Rocky Mountain House trail crossing in Tp. 35 R. III.	3,196
South boundary, Sec. 3, Tp. 33, R. V., west of 5th Mer., bed, 3,531; water.	3,532
Edge of foothills.	3,979
Stoney pack trail crossing.	4,352
At crossing of trail from Cascade River.	5,500
Small lake at source.	6,660
ROSEBUD RIVER	
At confluence with Red Deer River.	2,254
West boundary, Sec. 7, Tp. 28, R. XXVI., W. of 4th Mer., bank, 3,005; water.	2,992
North boundary, Sec. 32, Tp. 28, R. XXVII., bank, 3,043; water.	3,030
West boundary, Sec. 18, Tp. 29, R. XXVII., bank, 3,064; water.	3,955
North boundary, Sec. 31, Tp. 29, R. XXVIII., bank, 3,158; water.	3,125
East boundary, Sec. 24, Tp. 30, R. I., W. of 5th Mer., bank, 3,181; water.	3,175
North boundary, Sec. 35, Tp. 31, R. II., bank, 3,295; water.	3,289
North boundary, Sec. 32, Tp. 32, R. II., water.	3,334
Height-of-land between Rosebud and Red Deer rivers.	3,375
LITTLE RED DEER RIVER	
At Rocky Mountain House trail crossing.	3,216
South boundary, Sec. 1, Tp. 33, R. IV., W. of 5th Mer, bank, 3,363; water.	3,357
South boundary, Sec. 4, Tp. 33, R. IV., bank, 3,436; water.	3,429
Edge of foothills, lat. 51° 30', N. long. 114° 41' W.	4,000
DOGPOUND BROOK	
At south boundary, Sec. 4, Tp. 33, R. III., W. of 5th Mer., bank, 3,309; flood, 3,287; ordinary water.	3,284
South boundary, Sec. 3, Tp. 32, R. III., bank, 3,354; water.	3,342
South boundary, Sec. 3, Tp. 31, R. III., bank, 3,473; water.	3,418
South boundary, Sec. 4, Tp. 30, R. III., bank, 3,549; water.	3,544
West boundary, Sec. 18, Tp. 29, R. III., bank, 3,691; water.	3,684
South boundary, Sec. 4, Tp. 29, R. IV., bank, 3,834; water.	3,824

ELBOW RIVER		Elevation
At confluence with Bow River		3,371
Canadian Pacific Railway bridge at Calgary, flood, 3,400; high water, 3,395; low water		3,399
West boundary Sec. 30, Tp. 33, R. I., W. of 5th Mer., water		3,504
South-east corner of Sec. 8, Tp. 24, R. II., flood 3,601; high water, 3,598; low water		3,596
West boundary Sec. 18, Tp. 24, R. III., water		3,854
West boundary Sec. 2, Tp. 23, R. V., water		4,294
Head of proposed irrigation canal, north-west corner of Sec. 29, Tp. 22, R. V., water		4,400
West boundary Sec. 19, Tp. 22, R. V.		4,530
Mouth of Cañon branch		4,725
One mile below mouth of Fisher branch		5,188
Fisher branch at forks, four miles from mouth		5,465
Summit of pass Elbow River to North branch Sheep River		6,567
FISH CREEK		
At confluence with Bow River, nearly		3,250
At crossing of line between Tps. 22 and 23, R. I., west of 5th Mer.; water ..		3,331
At highway bridge near Midnapore, flood, 3,389; high water, 3,386; low water ..		3,334
West boundary Sec. 6, Tp. 23, R. II.		3,504
Confluence of North and South branches, Sec. 22, Tp. 22, R. III., flood, 3,785; high water, 3,783; low water		3,782
North branch at west boundary, Sec. 30, Tp. 22, R. III., bed		4,244
South branch at west boundary, Sec. 3, Tp. 22, R. III., flood, 3,888; high water, 3,886; low water		3,884
Same at north-east angle Sec. 11, Tp. 22, R. IV.		4,104
Same at lower end of irrigation reservoir site, near south boundary Sec. 14, Tp. 22, R. V.		4,638
SHEEP RIVER		
At confluence with Highwood River, nearly		3,222
West boundary Sec. 19, Tp. 20, R. XXVIII.		3,317
At Canadian Pacific Railway bridge, bed		3,404
Highway bridge near Dewdney, flood, 3,442; high water, 3,440; low water ..		3,438
West boundary Sec. 30, Tp. 20, R. I., west of 5th Mer., water		3,628
North boundary Sec. 33, Tp. 20, R. II.		3,730
West boundary Sec. 1, Tp. 21, R. III., water above dam		3,443
North branch, head of irrigation ditch, Sec. 5, Tp. 21, R. IV.		4,350
Summit between North branch and Elbow River		6,567
South branch, irrigation reservoir site, Sec. 29, Tp. 19, R. V., water		4,570
HIGHWOOD RIVER		
At junction with Bow River, nearly		3,096
At south boundary Sec. 5, Tp. 21, R. XXVIII., water		3,207
At mouth of Sheep River, nearly		3,222
At Canadian Pacific Railway bridge, high water, 3,386; low water		3,380
At west boundary Sec. 6, Tp. 18, R. I.		3,710
At exit from mountains		4,780
At forks near Mist Mountain		5,736
Summit of pass, Mist Creek to Elk River		7,217
Summit of pass, Storm Creek to Sheep River		7,632
South branch at west boundary Sec. 31, Tp. 17, R. I.		3,742
Stimson Brook at south boundary, Sec. 4, Tp. 17, R. II.		3,988
Tongue-flag Creek, one and half miles from mouth		3,383
Same at west boundary Sec. 18, Tp. 19, R. I., west of 5th Mer.		3,814
JUMPING POUND BROOK		
At 'forks' in Sec. 8, Tp. 24, R. VI.		4,570
North branch at north-east corner Sec. 17, Tp. 24, R. VII., W. of 5th Mer. ...		5,090
South branch at north boundary Sec. 2, Tp. 24, R. VII., W. of 5th Mer.		4,950
LITTLE BOW RIVER		
At confluence with Belly River, approximately		2,578
West boundary, Sec. 7, Tp. 15, R. XXV., W. of 4th Mer.		3,100

LITTLE BOW RIVER	Elevation
North boundary, Sec. 31, Tp. 16, R. XXVI., W. of 4th Mer.....	3,188
West boundary, Sec. 31, Tp. 17, R. XXVII., W. of 4th Mer.....	3,246
West boundary, Sec. 30, Tp. 18, R. XXVIII., W. of 4th Mer.....	3,349
MOSQUITO CREEK	
At west boundary, Sec. 7, Tp. 15, R. XXV., half-mile from mouth.....	3,114
West boundary, Sec. 7, Tp. 16, R. XXVII.....	3,289
At Canadian Pacific Ry. bridge, high water, 3,333; low water.....	3,331
At north boundary, Sec. 35, Tp. 16, R. XXIX.....	3,369
At north boundary, Sec. 31, Tp. 16, R. XXIX.....	3,518
Nanton Brook at Can. Pac. Ry. bridge, high water, 3,329; low water.....	3,326
WILLOW CREEK	
At west boundary, Sec. 30, Tp. 9, R. XXV., W. of 4th Mer., three miles from mouth.....	3,040
At Canadian Pacific Ry. bridge, water (July, 1892).....	3,133
At north boundary, Sec. 36, Tp. 12, R. XXVIII.....	3,284
At Mounted Police post, Sec. 14, Tp. 13, R. XXVIII.....	3,358
OLD MAN RIVER	
At confluence with Belly River, nearly.....	2,852
At west boundary, Sec. 18, Tp. 9, R. XXV., near Macleod.....	3,048
East boundary, Sec. 13, Tp. 7, R. XXIX.....	3,376
West boundary, Sec. 27, Tp. 7, R. XXX.....	3,526
Canadian Pacific Railway, first crossing, water.....	3,796
At 1.0 mile west of Livingstone.....	3,940
At 4.2 miles west of Livingstone.....	4,053
Canadian Pacific Railway, second crossing, water.....	4,172
Same, third crossing.....	4,265
Crow Nest Lake.....	4,409
Island Lake, high water 4,427; low water.....	4,420
Summit of railway pass.....	4,449
Summit of pass on trail.....	4,845
Pincher Creek at east boundary, Sec. 12, Tp. 7, R. XXIX.....	3,302
Same at south boundary, Sec. 5, Tp. 7, R. XXIX.....	3,533
Same at west boundary, Sec. 18, Tp. 7, R. XXX.....	3,865
LIVINGSTONE RIVER	
At exit from mountains.....	4,437
Mouth of West branch.....	4,709
Sixteen miles from 'Gap'.....	5,370
Northwest branch, 2½ miles from mouth.....	4,966
Same, above fall.....	5,512
Same, near source, about one-half mile from base of main range.....	6,311
BELLY RIVER	
At confluence with Bow River.....	2,212
South boundary, Sec. 6, Tp. 10, R. XXI, W. of 4th Mer....	2,650
South boundary, Sec. 1, Tp. 9, R. XXII.....	2,687
Mouth of St. Mary River, nearly.....	2,729
West boundary, Sec. 30, Tp. 8, R. XXII.....	2,769
Mouth of Old Man River, nearly.....	2,852
South boundary of Sec. 4, Tp. 9, R. XXIV.....	2,968
Mouth of Waterton River, nearly.....	3,147
East boundary of Sec. 25, Tp. 5, R. XXVI.....	3,325
South boundary of Sec. 1, Tp. 5, R. XXVII.....	3,516
South boundary of Sec. 1, Tp. 3, R. XXVIII.....	4,016
International boundary.....	4,728
ST. MARY RIVER	
At confluence with Belly River, nearly.....	2,729
At Canadian Pacific Railway bridge, water.....	2,739
West boundary, Sec. 30, Tp. 6, R. XXII, W. of 4th Mer.....	2,993
At north boundary, Sec. 34, Tp. 4, R. XXIV.....	3,459

ST. MARY RIVER		Elevation
Mouth of Lee Brook, high water, 3,629; low water.....		3,625
At north boundary, Sec. 31, Tp. 2, R. XXIV.....		3,704
North boundary, Sec. 25, Tp. 1, R. XXV.....		3,878
International boundary.....		4,127
Pine-pound Brook, one mile from mouth, on north boundary, Sec. 30, Tp. 4, R. XXIII.....		3,304
Lee Brook at north boundary, Sec. 31, Tp. 2, R. XXV, bank 3,789; water..		3,782
WATERTON RIVER		
At confluence with Belly River, nearly.....		3,147
West boundary of Sec. 18, Tp. 6, R. XXV, W. of 4th Mer.		3,247
West boundary of Sec. 30, Tp. 3, R. XXVIII.....		4,038
South boundary of Sec. 1, Tp. 3, R. XXIX.....		4,115
Small lake, Secs. 5 and 6, Tp. 2, R. XXIX.....		4,149
Waterton Lake.....		4,186
POTHOLE BROOK		
North boundary, Sec. 34, Tp. 4, R. XXII, W. of 4th Mer.		3,304
North boundary, Sec. 34, Tp. 3, R. XXII.....		3,649
South boundary, Sec. 6, Tp. 3, R. XXII.....		4,283
MILK RIVER		
International boundary, long. 110° 25'.....		2,600
At Pakowki coulee.....		2,816
At Verdigris coulee.....		3,065
Alberta Railway and Coal Co's Ry. bridge.....		3,401
At McLeod and Benton trail crossing.....		3,546
Near forks, 20 miles west of last.....		3,720
West boundary, Sec. 30, Tp. 1, R. XXII, W. of 4th Mer.....		4,053
International boundary.....		4,145

IRRIGATION SURVEY BENCH MARKS

NOTE.—At the township corners, and at points where streams, railways or prominent features are intersected by the lines run, permanent bench marks are established by driving an iron bar, one and one-half inches in diameter and five feet long, into the ground within ten inches of its top and marking these bars with steel dies. Permanent bench marks are also established in all cities, towns or villages in the district and at point where fixed rock and other permanent natural features are met with.

The reference plane of these surveys, being based on an assumed elevation of 3,387 feet for the railway bridge over the Elbow River at Calgary, is 24 feet above mean tide. To reduce to mean tide at New York a uniform addition of 24 feet has been made to the published altitudes.

No.	ASSINIBOIA	Above Irrig. Surv. datum	Above mean tide at N. Y.
158	N.E. corner of S.E. $\frac{1}{4}$ Sec. 19, Tp. 17, R. XIII, W. of 2nd Mer.....	2,123.4	2,147.4
160	" " S.E. $\frac{1}{4}$ Sec. 32, Tp. 17, R. XIII " ".....	2,041.3	2,065.3
161	" " N.E. $\frac{1}{4}$ Sec. 14, Tp. 18, R. XIII " ".....	1,901.9	1,925.9
164	Top of iron bar, N.E. corner, Sec. 36, Tp. 16, R. VIII, W. of 2nd Mer....	1,958.2	1,982.2
165	Rail, Can. Pac. Ry. over E. end of trestle 233, over Summerberry Brook, in S.E. $\frac{1}{4}$ Sec. 12, Tp. 17, R. VIII, W. of 2nd Mer.....	1,908.1	1,932.1
276	35 chains W. of N.E. corner, Sec. 2, Tp. 10, R. XXIV, W. of 3rd Mer....	3,573.0	3,597.0
274	5 $\frac{1}{2}$ chains N. of N.E. corner, Tp. 8, R. XXIII, W. of 3rd Mer.....	3,767.9	3,791.9
269	N.E. corner Tp. 7, R. XXIII, W. of 3rd Mer.....	3,776.6	3,790.6
273	In N.W. $\frac{1}{4}$ Sec. 21, Tp. 6, R. XXIV, W. of 3rd Mer., on bank of French- man Brook.....	3,118.8	3,142.8
270	45.92 chains W. of N.E. corner, Tp. 7, R. XXV, W. of 3rd Mer.....	3,882.6	3,906.6
268	11 chains E. of S.E. corner, Sec. 4, Tp. 7, R. XXV, W. of 3rd Mer.....	3,532.8	3,556.8
118	Maple Creek, corner stone of Dixon Bros' store, N.W. corner of building..	2,472.8	2,496.8
154	N.E. corner Tp. 9, R. XXV W. of 3rd Mer.....	3,519.0	3,543.0
152	" " 9, R. XXVI " ".....	3,154.8	3,178.8
120	" " 11, R. XXVII " ".....	2,513.0	2,537.0
150	" " 9, R. XXVII " ".....	2,904.2	2,928.2
267	" " 4, R. XXVI " ".....	3,054.9	3,078.9

IRRIGATION SURVEY BENCH MARKS

No.	ASSINIBOIA	Above Irrig. Surv. datum	Above mean tide at N.Y.
266	N.E. corner, Sec. 34, Tp. 4, R. XXVII, W. of 3rd Mer.	3,074.1	3,098.1
271	22 chains W. of N.E. corner, Sec. 54, Tp. 7, R. XXVII, W. of 3rd Mer.	4,126.5	4,150.5
122	N.E. corner Tp. 11, R. XXVIII, W. of 3rd Mer.	2,523.7	2,547.7
146	" " 9, R. XXIX " "	2,950.0	2,974.0
124	" " 11, R. XXIX " "	2,626.6	2,650.6
126	" " 12, R. XXIX " "	2,410.9	2,434.9
148	" " 9, R. XXVIII " "	2,878.4	2,902.4
272	N.E. corner, Sec. 34, Tp. 7, R. XXIX, W. of 3rd Mer.	4,381.5	4,405.5
265	45 chains E. of N.E. corner, Sec. 34, Tp. 4, R. XXX, W. of 3rd Mer.	8,349.6	8,373.6
128	N.E. corner Tp. 11, R. I, W. of 4th Mer.	2,419.8	2,443.8
144	" " 9, R. I " "	3,088.4	3,112.4
130	" " 10, R. I " "	2,640.5	2,664.5
263	45 chains E. of N.E. corner, Sec. 34, Tp. 4, R. II, W. of 4th Mer.	3,552.9	3,576.9
262	22.03 chains S. of N.E. corner, Sec. 13, Tp. 5, R. III, W. of 4th Mer.	3,712.3	3,736.3
261	N.E. corner, Tp. 7, R. II, W. of 4th Mer.	4,600.6	4,624.6
260	8.26 chains S. of N.E. corner, Sec. 13, Tp. 8, R. III, W. of 4th Mer.	4,553.3	4,577.3
132	N.E. corner, Tp. 11, R. III, W. of 4th Mer.	2,464.8	2,488.8
142	" " 8, R. III " "	3,981.0	4,005.0
140	" " 9, R. III " "	3,252.2	3,276.2
134	" " 11, R. IV " "	2,554.7	2,578.7
186	" " 11, R. V " "	2,464.9	2,488.9
138	" " 11, R. VI " "	2,345.0	2,369.0
ALBERTA			
65	N.E. corner, Sec. 36, Tp. 4, R. XVIII W. of 4th Mer.	3,179.8	3,203.8
63	" " 36, " 4, R. XIX " "	3,361.6	3,385.6
61	" " 36, " 4, R. XX " "	3,411.4	3,435.4
82	" " 36, " 3, R. XXI " "	4,187.5	4,211.5
80	" " 36, " 5, R. XXI " "	3,187.1	3,211.1
78	" " 36, " 7, R. XXI " "	2,996.8	3,020.8
281	N.E. corner, Tp. 7, R. XVII, W. of 4th Mer.	2,961.7	2,985.7
280	" " 6, R. XVI " "	3,053.8	3,077.8
279	" " 7, R. XIX " "	3,031.2	3,055.2
278	" " 9, R. XVIII " "	2,668.9	2,692.9
277	" " 9, R. XX " "	2,784.0	2,808.0
71	N.E. corner, Sec. 35, Tp. 8, R. XXII, W. of 4th Mer.	2,676.8	2,700.8
75	Lethbridge, N.E. corner of court-house, Sec. 31, Tp. 8, R. XXI, W. 4th Mer.	2,958.8	2,982.8
73	Quarter sec. corner, on N. boundary of Sec. 33, Tp. 8, R. XXI, W. 4 Mer.	2,978.4	3,002.4
76	N.E. corner, Sec. 33, Tp. 9, R. XXI, W. 4 Mer.	2,907.1	2,931.1
84	" " 33, " 3, R. XXII " "	3,693.3	3,717.3
93	On $\frac{1}{2}$ sec. mound, E. bdy., Sec. 2, Tp. 4, R. XXII, W. 4th Mer.	3,588.4	3,612.4
53	On S. boundary of Tp. (215 ft. E. of N. branch of Milk R.) Tp. 1, R. XXIII, W. 4th Mer.	4,131.4	4,155.4
55	S.E. corner, Tp. 1, R. XXIII, W. 4th Mer.	4,595.1	4,619.1
57	N.E. " Sec. 36, Tp. 4, R. XXIII, W. 4th Mer.	3,407.8	3,431.8
59	N.E. " Sec. 34, Tp. 4, R. XXIV, " "	3,600.0	3,624.0
67	41.00 chains N. of N.E. corner, Sec. 24, Tp. 6, R. XXIII, W. 4th Mer.	2,998.9	3,022.9
69	40.00 chains S. " " 25, Tp. 8, R. XXIII " "	2,765.2	2,789.2
77	Half sec. corner, on N. boundary of Sec. 33, Tp. 8, R. XXIV, W. 4th Mer.	2,956.2	2,980.2
88	N.E. corner, Tp. 1, R. XXIV, W. of 4th Mer.	4,068.7	4,092.7
89	" " Tp. 2, R. XXIV " "	3,924.5	3,948.5
90	" " Tp. 1, R. XXV " "	3,937.8	3,961.8
91	On S.E. $\frac{1}{2}$ Sec. 36, Tp. 1, R. XXV, W. of 4th Mer, at intake of St. Mary Irrigation Canal.	3,853.8	3,877.8
92	S.E. corner, Sec. 17, Tp. 2, R. XXIV, W. of 4th Mer.	3,823.7	3,847.7
51	S.E. corner " 6, " 1, R. XXV " "	4,136.5	4,160.5
49	25.00 chains S. of N.E. corner, Sec. 36, Tp. 2, R. XXVI, W. of 4th Mer.	3,793.1	3,817.1
86	N.E. corner, Tp. 3, R. XXIV, W. of 4th Mer.	3,678.3	3,702.3
116	Three ft. N. of centre of pits marking trail survey, at W. end of highway bridge over St. Mary River in Sec. 11, Tp. 3, R. XXV, W. of 4th Mer.	3,615.9	3,639.9
41	N.E. corner, Sec. 36, Tp. 5, R. XXVI, W. of 4th Mer.	3,338.4	3,362.4
43	" " 36, Tp. 4, R. XXVII " "	3,495.7	3,519.7
45	S.E. corner, Sec. 1, Tp. 3, R. XXVIII, W. of 4th Mer.	4,138.1	4,162.1
47	" " 1, " 3, R. XXIX " "	4,352.8	4,376.8
200	21 chains N. of N. E. corner, Tp. 1, R. XXVIII, W. of 4th Mer., on shore of lake.	4,558.3	4,582.3
201	N.E. corner, Tp. 1, R. XIX, W. of 4th Mer.	4,870.7	4,894.7
202	E. side of trail, between Waterton lakes, in Sec. 25, Tp. 1, R. XXX, W. of 4th Mer.	4,179.3	4,203.3

IRRIGATION SURVEY BENCH MARKS

No.	ALBERTA	Above Irrig. Surv. datum	Above mean tide at N.Y.
39	N.E. corner, Sec. 12, Tp. 9, R. XXVI, W. of 4th Mer.	3,060.2	3,084.2
79	" " 34, " 8, R. XXVI	3,100.5	3,124.5
81	39.05 chains W. of N.E. corner, Sec. 33, Tp. 8 R. XXVI W. of 4th Mer.	3,157.8	3,181.8
115	N.E. corner, Sec. 36, Tp. 9, R. 27 W. of 4th Mer.	3,139.5	3,163.5
83	Station 52, Macleod and Pincher Creek trail, Sec. 7, Tp. 7, R. XXVIII, W. of 4th Mer.	3,255.7	3,379.7
85	Section 52, Macleod and Pincher Creek trail, Sec. 12, Tp. 7, R. XXIX, W. of 4th Mer.	3,359.4	3,383.4
95	N.E. corner, Tp. 7, R. I, W. of 5th Mer.	3,753.9	3,777.9
96	" " 6, R. XXX, W. of 4th Mer.	3,619.2	3,643.2
97	" " 6, R. I, W. of 5th Mer.	3,854.9	3,878.9
98	Quarter Sec. mound on E. bdy., Sec. 12, Tp. 6, R. I, W. of 5th Mer.	4,031.8	4,055.8
99	N.E. corner, Tp. 5, R. XXIX, W. of 4th Mer.	3,730.1	3,754.1
74	" " Sec. 10, Tp. 23, R. XXIX, W. of 4th M.	3,167.8	3,191.8
72	" " 12, R. XXIII	3,237.2	3,261.2
70	" " 12, R. XXV	3,156.1	3,180.1
37	" " Sec. 36, Tp. 12, R. XXVI, W. of 4th Mer.	3,196.8	3,220.8
87	" " 36, " 12, R. XXVIII, W. of 4th Mer.	3,338.7	3,362.7
35	5.00 chains S. of N.E. corner, Sec. 12, Tp. 15, R. XXVI, W. of 4th Mer.	3,079.6	3,103.6
29	1.43 " N. " " 25 " 15, R. XXVIII, " "	3,344.6	3,368.6
27	10.50 " S. " " 12 " 16, R. XXVIII, " "	3,277.0	3,301.0
114	Near north end of Can. Pac. Ry., Macleod branch, bridge over S. Br. Mosquito Ck. (10 ft. S. of first telegraph post).	3,317.2	3,341.2
33	N.E. corner, Sec. 36, Tp. 16, R. XXVI, W. of 4th Mer.	3,315.1	3,339.1
31	20.05 chains W. of N.E. corner, Sec. 31, Tp. 16, R. XXVI, W. of 4th Mer.	3,174.1	3,198.1
26	4.81 " E. " " 31, " 16, R. XXVIII " 4th Mer.	3,342.2	3,366.2
23	11.98 " W. " " 35, " 16, R. XXIX " "	3,352.6	3,376.6
21	N.E. corner, Sec. 36, Tp. 16, R. II, W. of 5th Mer.	4,403.5	4,427.5
19	20.00 chains W. of N.E. corner, Sec. 33, Tp. 16, R. II, W. of 5th Mer.	3,974.6	3,998.6
15	55.00 " S. " " 1, " 18 " "	3,694.6	3,718.6
17	47.05 " S. " " 36, " 17 " "	3,732.7	3,756.7
34	S.E. corner, Sec. 1, Tp. 19, R. XXVIII, W. of 4th Mer.	3,267.8	3,291.8
32	High River, S. E. corner stone, fifth course above ground, High River Trading Co's store in Sec. 6, Tp. 19, R. XXVIII, W. of 4th Mer.	3,371.2	3,395.2
30	N.E. corner, Sec. 36, Tp. 19, R. XIX, W. of 4th Mer.	3,398.6	3,422.6
28	" " 36, " 20, R. XXVIII, " "	3,540.7	3,564.7
36	" " 36, " 21 " "	3,304.4	3,328.4
26	10.00 chains, E. of N.E. corner, Sec. 31, Tp. 16, R. XX, W. of 4th Mer.	3,213.7	3,237.7
24	North boundary, Sec. 35, Tp. 20, R. I, W. of 5th Mer. at Can. Pac. Ry. Macleod branch, crossing.	3,473.5	3,497.5
*113	Sec. 29, Tp. 20, R. XXIX, W. of 4th Mer. at highway bridge over Sheep River.	3,420.0	3,444.0
11	N.E. corner, Sec. 36, Tp. 20, R. II, W. of 5th Mer.	3,790.7	3,823.7
13	49.00 chains, S. of N.E. corner, Sec. 25, Tp. 20, R. II, W. of 5th Mer.	3,609.8	3,633.8
9	25.00 " " 1, " 22, R. II, " "	3,538.4	3,562.4
22	20 ft. S. of N.E. corner, Sec. 2, Tp. 21, R. III, W. of 5th Mer.	3,817.1	3,841.1
112	3 ft. N. of S.W. corner of school plot in S.E. cor., Sec. 22, Tp. 22, R. III, W. of 5th Mer.	3,768.0	3,792.0
20	N.E. corner, Sec. 4, Tp. 22, R. III, W. of 5th Mer.	3,890.6	3,914.6
18	" " 24 " 22, R. IV	3,965.2	3,989.2
16	" " 36 " 22 " "	4,514.6	4,538.6
111	E. bdy. Sec. 4, Tp. 23, R. I, W. of 5th Mer. about 75 ft. W. of highway bridge over Fish Creek.	3,365.0	3,389.0
7	35.00 chains, S. of N.E. corner, Sec. 1, Tp. 23, R. II, W. of 5th Mer.	3,488.1	3,512.1
108	At intersection of E. bdy., Tp. 23, R. XXIV, W. of 4th Mer. with Can. Pac. Ry. near Namaka station.	2,924.0	2,948.0
107	N.E. corner, Tp. 24, R. XXIV, W. of 4th Mer.	3,035.0	3,059.0
106	" " 23 " "	3,087.5	3,111.5
103	S.W. " 23, R. XXV, " "	3,232.2	3,256.2
42	N.E. corner Sec. 36, Tp. 23, R. XXVI, W. of 4th Mer.	3,213.6	3,237.6
104	" " 36, Tp. 24 " "	3,046.1	3,070.1
105	" " 36, Tp. 25 " "	3,051.6	3,075.6
159	" " 36, Tp. 25, R. XXVII	3,089.1	3,113.1
38	E. bdy. Sec. 13, Tp. 23, R. XXVIII, W. of 4th Mer., 1.53 chains S. of C.P.R.	3,330.1	3,354.1
40	N.E. corner, Sec. 36, Tp. 24, R. XXVIII, W. of 4th Mer.	3,277.7	3,301.7
102	" " 36, Tp. 25, R. XXVIII	3,333.9	3,357.9
44	E. bdy. Sec. 13, Tp. 23, R. XXIX, W. of 4th Mer. at S. E. corner Shepard station ground.	3,338.5	3,362.5
46	N.E. corner, Sec. 36, Tp. 24, R. XXIX, W. of 4th Mer.	3,512.4	3,536.4
101	" " 10, Tp. 23 " "	3,361.3	3,375.3

*Removed by workmen when repairing bridge

IRRIGATION SURVEY BENCH MARKS

No	ALBERTA	Above Irrig. Surv. datum	Above mean tide at N.Y.
100	On S.E. $\frac{1}{2}$ Sec. 13, Tp. 24, R. I, W. of 5th Mer. at intake of Bow River canal.....	3,364.4	3,388.4
109	Sec. 14, Tp. 24, R. I, W. of 5th Mer. at Can. Pac. Ry. bridge over Elbow River.....	3,379.1	3,403.1
0	Calgary, rail level Can. Pac. Ry. on line with E. side of most easterly frame building of N.W.M.P. barracks.....	3,387.0	3,411.0
1	Calgary, N. W. corner of post office.....	3,401.0	3,425.0
2	" S. E. corner of court-house.....	3,406.0	3,430.0
*3A	Calgary, S. side of chimney of waterworks pump house.....	3,410.0	3,434.0
3	N.E. corner, Sec. 36 Tp. 24, R. II, W. of 5th Mer.....	3,607.6	3,631.6
4	Nose Hill, sandstone rock, 20 chs. E. of N. W. cor. Sec. 31, Tp. 24, R. I, W. of 5th Mer.....	3,841.4	3,865.4
5	52.17 chains S. of N.E. corner, Sec. 25, Tp. 23, R. II, W. of 5th Mer.....	3,490.0	3,514.0
6	10 " W. " 34, Tp. 24 " ".....	3,468.4	3,492.4
8	N. E. corner, Sec. 36, Tp. 24, R. III, W. of 5th Mer.....	3,784.1	3,808.1
+110	3 ft. N. of $\frac{1}{2}$ sec. corner on E. bdy. Sec. 7, Tp. 24, R. II. W. of 5th Mer.....	3,577.4	3,601.4
48	N.E. corner, Sec. 34, Tp. 24, R. I, W. of 5th Mer.....	3,405.4	3,429.4
14	1 chain N. W. of $\frac{1}{2}$ sec. cor. on E. boundary, Sec. 13, Tp. 24, R. IV, W. of 5th Mer.....	3,873.4	3,897.4
10	N. E. corner, Sec. 36, Tp. 24, R. IV, W. of 5th Mer.....	3,959.8	3,983.8
12	35.27 chains W. of N. E. corner, Sec. 31, Tp. 24, R. IV, W. of 5th Mer.....	3,962.5	3,986.5
68	$\frac{1}{2}$ Sec. mound on E. boundary, Sec. 25, Tp. 25, R. IV, W. of 5th Mer.....	3,642.3	3,666.3
66	N. E. corner, Sec. 36, Tp. 26, R. IV, W. of 5th Mer.....	4,214.4	4,238.4
157	" " 26, R. XXVII, W. of 4th Mer.....	3,038.8	3,062.8
155	" " 27, R. XXVII " ".....	3,039.8	3,063.8
153	" " 28, R. XXVII " ".....	3,113.2	3,137.2
54	" " 28, R. XXVIII " ".....	3,166.0	3,190.0
151	" " 29, R. XXVIII " ".....	3,217.7	3,241.7
56	About 4 chs. E. of N.E. corner sec. 33, Tp. 28, R. XXVIII, W. of 4th Mer.....	3,137.0	3,161.0
52	N. boundary, Sec. 35, Tp. 28, R. I, West of 5th Mer. at crossing of Edmonton branch, Can. Pac. Ry.....	3,562.6	3,586.6
50	N. E. corner, Sec. 36, Tp. 26, R. II, W. of 5th Mer.....	3,871.2	3,895.2
58	" " 28, R. II " ".....	3,741.6	3,768.6
60	Ledge of sandstone, about 6 chs. W. of N.E. corner, Tp. 28, R. III, W. of 5th Mer.....	3,608.5	3,632.5
62	N.E. corner, Sec. 28, R. IV, W. of 5th Mer.....	3,921.2	3,945.2
64	Quarter sec. mound on N. boundary, Sec. 33, Tp. 28, R. IV, W. of 5th Mer.....	3,839.0	3,863.0
149	N. E. corner Tp. 29, R. XXIX, W. of 4th Mer.....	3,120.8	3,144.8
147	" " 29, R. I W. of 5th Mer.....	3,271.1	3,271.1
145	" " 30, R. I " ".....	3,217.6	3,271.6
143	" " 31, R. I " ".....	3,227.0	3,251.0
129	" " 31, R. II " ".....	3,312.4	3,366.4
141	" " 32, R. II " ".....	3,321.6	3,345.6
119	" " 29, R. III " ".....	3,515.8	3,539.8
123	" " 30, R. III " ".....	3,536.3	3,560.3
127	" " 31, R. III " ".....	3,505.8	3,529.8
133	" " 32, R. III " ".....	3,400.8	3,424.8
139	Quarter sec. mound, E. bdy. Sec. 10, Tp. 33, R. III, W. of 5th Mer.....	3,352.2	3,376.2
117	N. E. corner, Tp. 20, R. IV, W. of 5th Mer.....	3,828.5	3,852.5
121	" " 30, R. IV " ".....	3,632.9	3,656.9
125	" " 31, R. IV " ".....	3,584.4	3,608.4
131	At W.M., 3 chs. E. of N.E. corner, Tp. 32, R. IV, W. of 5th Mer.....	3,516.2	3,540.2
135	N.E. corner, Tp. 32, R. V, W. of 5th Mer.....	3,655.0	3,679.0
137	Quarter sec. mound, N.E. Sec. 34, Tp. 32, R. V, W. of 5th Mer.....	3,536.0	3,560.0

IRRIGATION SURVEYS—SOUTH SASKATCHEWAN RIVER
DIVERSION (proposed)

N.E. corner, Tp. 17, R. XI, W. of 3rd Mer.....	2,296.5	2,320.5
E. bdy. Sec. 25 Tp. 18, R. XI, at Swift Current to 'Elbow' trail crossing.	2,446.4	2,470.4
S.E. corner, Tp. 19, R. XI, W. of 3rd Mer.....	2,386.6	2,410.6
N.E. " " " ".....	2,276.1	2,300.1
South Saskatchewan River at crossing of line between R. X. and XI, W. of 3rd Mer.....	1,712.0	1,736.0
N.E. corner, Tp. 19, R. IX, W. of 3rd Mer.....	2,484.5	2,508.5
South Saskatchewan River at mouth of Aiktow Brook, 'The Elbow'.....	1,659.5	1,683.5
Height-of-land between Aiktow Brook and Qu'Appelle River.....	1,773.9	1,797.9
Qu'Appelle River at crossing of E. bdy., Sec. 30, Tp. 23, R. II, W. of 3rd Mer.....	1,743.8	1,767.8

* Effaced by action of weather.

† Removed by railway employés.

UNGAVA AND LABRADOR COAST	Lat.	Long.	Elevation
Cape St. Charles	52 13	55 38	654
Sophia Harbour Hill	52 25	55 43	588
Granby Island	52 33	55 43	461
Ship Harbour Island	52 39	55 45	721
Cape St. Michael Hills	52 40	55 49	895
Square Island	52 46	55 51	497
Cape Bluff	52 50	55 49	719
Stony Island	53 00	55 47	670
Hawke Island	53 05	55 46	825
Partridge Head	53 10	55 45	551
Mealy Mountains, north shore Sandwich Bay	53 42	57 15	1,482
Cape Porcupine, square hill, thirteen miles to west of	53 55	57 20	1,000
George Island	54 15	57 20	750
Cape Harrison	54 55	57 56	1,065
Ragged Island	55 00	58 13	640
Double Island, peak nine miles S. of	54 51	58 22	2,280
Double Island, peak eleven miles S. W. of	54 42	58 32	2,420
Monkey Hill (Altagaiyavik)	55 00	59 14	2,170
Kaipokok Hill	55 09	59 26	895
Spracklins (Kikkertaksoak) Island	56 08	60 45	465
Tunungayualuk Island	56 08	61 06	800
Ford Harbour Hills	56 28	61 24	1,000
Pownal or Paul Island	56 32	61 32	1,195
Nowark (Aulatsivik) Island	56 55	61 15	2,733
Kiglapait Mountain	57 07	61 25	2,000
Table Hill (Okkak)	57 45	61 40	2,000
Bishops Mitre	57 50	61 55	3,000
White Bear Island (Nanuktut)	57 55	61 40	1,600
Finger Hill	58 00	62 10	2,500
Watchman Island	58 15	62 05	700
The Domes	58 27	62 40	2,000
Uivuk Mountain	58 30	62 35	1,000
Kikkertaksoak (Big Island)	58 33	62 42	700
Blow-me-down, Mount	58 48	63 05	3,000
Nachvak Mountain	59 00	63 50	3,400
Nachvak Inlet	59 05	64 00	
The mountains on either side, immediately overlooking it rise to 1,500 to 3,400 feet, but, a few miles inland, especially on the south side they appear to attain an altitude of			5,000-6,000
Razorback, Mount	59 12	63 25	3,000
Nanuktok (White Bear Cape)	59 20	63 25	1,000
Kangardlarsuk, four peaks	59 35	63 50	5,000-6,000
Bache, Mount	59 50	64 05	2,150
Chidley, Cape; summit behind	60 30	64 30	1,500
'After passing the Strait of Belle-ile the coast continues high and rugged			
..... the elevation of the land near the coast may be said to increase gradually in going north-ward, until 70 miles of Cape Chidley, where it attains a height of about 6,000 feet. Beyond this it again diminishes to the cape (Chidley), where it is			1,500
Cape Wolstenholme Range	62 30	77 00	2,000
Button Island	60 45	64 30	1,500
Mansfield Island, 'at one place four or five miles inland, rises to an elevation of about	62 00	80 00	300
Michikamau Lake	54 00	64 00	1,650
Nichikun Lake	53 05	70 45	1,760
Kaniapiskau Lake	53 50	69 20	1,850
Itomami Lake	53 00	69 20	1,940
Clearwater Lake	56 15	75 15	790
Lower Seal Lakes	56 30	74 30	860
Height-of-land between Nastapoka and Larch rivers	56 42	73 53	890
Natukami Lake	57 13	72 20	520
Confluence of Larch and Kenogamistuk rivers	57 21	71 15	825
Confluence of Koksoak and Larch rivers	57 38	69 45	125
Menihok Lakes	54 00	66 40	1,750
Petitsikapau Lake	53 50	65 30	1,650
Sandgirt Lake	54 40	66 30	1,675
Jacopie Lake	53 40	64 30	1,630
Winokapau Lake	53 10	68 00	750
Hamilton River at foot of Grand falls	53 33	64 25	900
Hamilton River at head of Grand falls	53 33	64 25	1,202
East Main River at Sandy portage	52 00	73 25	1,400
Patamisk Lake	52 53	70 45	1,800
Allan, Mount; Ottawa Island	59 49	80 02	1,800

KEEWATIN	Lat.	Long.	Elevation
Attawapiskat or Lansdowne Lake	52 15	88 00	960
Attawapiskat River, at mouth of Mississaugaigan River	53 14	85 33	500
Albany River, at mouth of Kenogami River	51 09	84 32	300
St. Joseph, Lake	51 00	91 00	1,172
Seul, Lac	50 20	92 30	1,140
English River at mouth of Red Lake River	50 40	93 53	1,105
Sandbar Lake	50 35	93 35	1,035
Wilcox Lake	50 30	93 45	1,030
Bluffy Lake	50 47	93 00	1,220
Fly Lake	51 00	92 50	1,356
Lower Clearwater Lake	51 12	92 49	1,320
Shaboomene Lake	51 20	92 45	1,330
Snake Lake	51 00	93 06	1,270
Woman Lake	51 10	92 52	1,315
Little Shallow Lake	50 48	93 22	1,106
Shallow Lake	50 45	93 25	1,105
Trout Lake	51 10	93 20	1,295
Little Trout Lake	51 02	93 15	1,294
Gull-rock Lake	50 55	93 40	1,146
Bug Lake	50 52	93 55	1,266
Red Lake	51 05	93 55	1,146
Medicine Stone Lake, Lower	50 54	94 05	1,200
Medicine Stone Lake, Upper	50 51	94 03	1,210
Long-legged Lake	50 45	94 07	1,175
Little Vermilion Lake	51 10	93 45	1,173
Portage, Whitefish-spawning River to White River, summit	51 22	94 02	1,285
Pekangikum Lake	51 48	94 00	1,037
Sturgeon Lake	51 46	93 45	1,051
Hair Lake	51 50	93 08	1,178
Goose Lake	51 48	93 02	1,196
Fairy Lake	51 42	93 00	1,261
Upper Goose Lake	51 43	92 54	1,262
Island Lake	53 40	94 00	900
Nelson Lake	55 50	99 00	735
Net-setting Lake	55 00	98 40	685
Beaver-dam Lake	55 35	98 35	710
Pipestone Lake	55 35	98 05	510
Paint Lake	55 28	98 00	560
Wintering Lake	55 25	97 45	530
Landing Lake	55 15	97 30	580
Yathkyed Lake	62 45	97 45	300
Kaminuriak Lake	63 00	95 20	320
Lady Marjorie Lake	64 10	99 50	260
Aberdeen Lake	64 30	99 30	130
Schultz Lake	64 45	98 00	115
Baker Lake	64 10	96 00	30
Minto, Mount	63 50	81 00	1,050
Churchill River, at mouth of Little Churchill	57 28	95 05	705
Churchill River, twenty-eight miles above mouth of Little Churchill	57 10	95 40	878
Waskaiowaka Lake	56 30	96 40	936

MANITOBA

Elevation

Manitoba, Lake—

High water	814.5
Low water	808.5
Mean water	810

Total length 119 miles; divided into two parts by the 'Narrows'; southern portion is 63 miles long; has a maximum width of 29 miles; shore line of 160 miles and total area 1,039 square miles; the northern portion is 50 miles long; has a length of shore line of 375 miles; area, 672 square miles, and maximum depth 21½ feet. Average depth of lake, 16 feet.

Winnipegosis, Lake..... 828

'Its greatest length is 122 miles; greatest width 17½ miles; shore line of 570 miles; an area, exclusive of islands, of 2,000 square miles, and greatest ascertained depth, 38 feet.'

Dauphin, Lake..... 860

'It has a greatest length of 26 miles; greatest width, 11 miles; shore line, 64 miles; area 196 square miles, and greatest ascertained depth, 12 feet.'

Swan Lake..... 855

'It has a greatest length of 20 miles; greatest width, 8 miles; shore line, 70 miles, and an area of 121 square miles.'

MANITOBA		Elevation
Waterhen Lake.....		822
It is 24 miles long, with a width of 5 miles, a shore line of 60 miles and an area of 44 square miles; depth in the centre 6 feet.		
Duck Mountain.....		2,600
Porcupine Mountain.....		2,500
Riding Mountain.....		2,000
Meadow portage, summit, 93 feet above Cedar Lake.....		921
Mossy portage, summit, 10 feet above Lake Winnipegosis.....		838
Assessippi P. O.....		1,450
Shellmouth P. O.—		
Bottom of valley.....		1,335
Top of bank.....		1,565
Lake St. Martin.....		795
St. John Butte, highest point of Turtle Mountain in Manitoba.....		2,200
Penibina Mountain, crest of escarpment.....		1,400-1,500
Tiger Hills.....		1,500-1,600
Big Tiger Hill, about.....		1,640
Brandon Hills.....		1,550-1,600

ASSINIBOIA	Lat.	Long.	Elevation
Pipestone Lake.....	50 20	102 56	2,071
Chaplin or Old Wives Lake.....	50 20	106 30	2,189
Johnston Lake.....	50 00	106 00	2,189
Many Island Lake.....	50 07	110 05	2,304
Big Stick Lake.....	50 16	109 20	2,278
Crane Lake.....	50 05	109 05	2,444
Cypress Lake.....	49 28	109 30	3,264
Twelve-mile Lake.....	49 28	106 15	2,479
Devil Lake.....	51 03	107 07	1,911
Wild Horse or de Marron Lake.....	49 01	110 10	2,852
Elk-water Lake.....	49 40	110 18	4,044
Dry Lake.....	49 19	109 10	3,031
Green Lake.....	49 28	110 01	3,557
Antelope Lake.....	50 17	108 23	2,328
Rush Lake.....	50 25	107 21	2,293
Hay Lake.....	49 39	109 25	3,754
Pukowki, Lake.....	49 20	111 00	2,735
Fort Walsh.....	49 35	109 53	3,624
Wood Mountain post.....	49 19	106 22	2,875
Wood Mountain—			
East summit.....	49 16	106 25	3,347
West summit.....	49 13	107 04	3,371
Pinto Horse Butte.....	49 23	107 29	3,331
White Mud River Plateau.....	49 29	108 20	3,428
Old-man-on-his-back Plateau.....	49 12	109 18	3,465
Cypress Hills—			
Summit.....	49 38	109 35	4,243
'The Gap'.....	49 36	109 41	3,745
Summit.....	49 37	110 15	4,790
'Head of Mountain'.....	49 37	110 23	4,273
Outer Rainy Hill.....	50 27	111 18	2,700
Missouri Coteau—			
Near south end Chaplin Lake.....	50 20	106 10	2,395
At Secretan.....	50 28	106 25	2,283
Vermilion Hills.....	50 42	106 55	2,255
North of South Saskatchewan River.....	50 47	107 26	2,347

SASKATCHEWAN

Thunder Hill (Geological Survey).....	52 05	101 38	1,900
(Can. Pac. Ry.).....			1,997
Cross Lake.....	53 10	99 35	822
Cedar Lake.....	53 15	100 00	828
Red Deer Lake.....	52 55	101 20	875
It is 13 miles long, 9½ miles wide, has a shore line of 51 miles and an area of 100 sq. miles.			
Pasquia Hills, about.....	53 00	103 00	2,000
Sounding Lake.....	52 10	110 30	2,165
Gooseberry Lake.....	52 07	110 15	2,256

SASKATCHEWAN	Lat.	Long.	Elevation
Neutral Hills, 'The Nose'	52 10	111 10	2,995
Blackfoot Hills	53 14	110 12	2,425
Pine Island Lake	54 00	102 15	870
Sturgeon Lake	54 10	101 55	870
Beaver Lake	54 30	102 15	1,075
Goose Lake	54 25	101 30	905
Cranberry Lake, Upper	54 05	101 15	935
Cranberry Lake, Lower	54 10	101 10	934
Athapapuskow Lake	54 35	101 40	935
Reed Lake	54 35	100 25	880
File Lake	54 55	100 20	920
Sandy Lake	54 50	98 50	700
Net-setting Lake	55 00	98 40	685
Wekusko or Sweet Herb Lake	54 45	99 50	800
Height-of-land between Goose Lake and Kississing River	54 57	101 32	1,030
Moose Lake	54 45	100 15	846
Clearwater Lake	54 00	101 00	860
ALBERTA			
Eagle Lake	51 00	113 20	3,006
Dried Meat Lake	52 50	112 45	2,254
Egg Lake	53 50	112 15	2,045
Bear Lake	52 57	113 36	2,648
Beaver Lake	53 30	112 30	2,173
Birch Lake	53 20	111 37	2,107
Wavy Lake	53 22	112 04	2,260
Hastings Lake	53 26	112 55	2,380
Cooking Lake	53 28	113 00	2,400
Buffalo Lake	52 30	112 55	2,536
Dowling Lake	51 45	112 00	2,563
Pigeon Lake	53 00	114 00	2,824
Battle Lake	52 57	114 10	2,794
Quill Lakes	52 04	113 10	2,860
Little Fish Lake	51 23	112 13	2,915
Gull Lake	52 30	114 00	2,905
Devils Pine Lake	52 06	113 28	2,910
Buck Lake	53 00	114 45	2,970
Egg Lake	51 30	112 07	2,994
Lac la Biche	54 55	112 00	1,650
Watershed between N. Saskatchewan and Athabasca rivers	54 12	113 27	2,485
Wintering Hills	51 14	112 30	3,250
Rocky Buttes	50 33	112 40	3,100
Porcupine Hills	50 00	114 00	5,000
Buffalo Hills	50 35	113 13	3,857
Milk River Ridge	49 15	112 30	4,200
Black Spring Ridge	50 00	112 55	3,550
Hand Hills	51 30	112 17	3,575
Flagstaff Hill	52 32	111 33	2,500
Beaver Hills	53 30	113 00	2,525
Knee Hills	51 40	113 28	3,100
Surcoe Butte	51 40	112 59	3,030
Peace Hills	53 00	113 25	3,625
Medicine Lodge Hills	52 28	114 13	3,525
Nose Hill	51 08	114 10	3,925
Big Hill	51 10	114 27	4,275
Black Butte	53 42	112 00	2,190
Snake Valley marsh	50 30	112 53	2,872
Chiniquy Hill	51 06	114 52	5,287
Coxcomb Hill	51 00	114 54	7,169
Surcoe Butte	51 02	114 32	4,476
Moose Mountain	50 56	114 50	7,970
Prairie Creek Hill	50 53	114 49	7,224
South Twin Peak	50 49	114 57	8,444
Old Forget-me-not Peak	50 46	114 48	7,624
Forget-me-not Mountain	50 45	114 47	7,577
Three Point Mountain	50 43	114 60	7,959
Topknot Hill	50 53	114 38	5,624
Robinson Hill	50 54	114 31	4,809
Barwell Hill	50 47	114 39	6,249

ALBERTA	Lat.	Long.	Elevation
Allsmoke Hill.....	50 45	114 41	6,894
Bert Hill.....	50 51	114 32	5,077
Nigger John Hill.....	50 42	114 27	5,187
Gleason Hill.....	50 42	114 35	5,919
Hoffmann Mountain.....	50 36	114 41	6,572
Junction Mountain.....	50 35	114 43	6,729
Ware Head.....	50 40	114 44	6,954
Whaleback Mountain.....	50 34	114 31	6,275
Dutchman Hill.....	50 39	114 25	4,964
Okotoks Hill.....	50 37	114 23	5,038
Forks Hill.....	50 39	114 38	5,764
Fish Butte.....	50 55	114 31	4,600
Mesa Hill.....	50 47	114 33	5,519
South Kootanie Pass, summit (watershed range).....	49 07	114 08	7,100
North Kootanie Pass, summit.....	49 23	114 36	6,750
Crow Nest Pass, railway summit.....	49 38	114 42	4,449
Crow Nest Pass, trail summit.....	49 33	114 44	4,845
Beehive Mountain.....	50 35	114 44	8,500
Sheep Mountain.....	49 02	113 51	7,520
Waterton Lake.....	49 10	113 53	4,186
Crow Nest Mountain.....	49 40	114 36	7,800
North Fork Pass.....	49 55	114 43	6,773
Turtle Mountain.....	49 34	114 25	7,000
Kananaskis Pass.....	50 37	115 12	6,200
Goulds Dome.....	49 56	114 39	10,125
Elk Mountains.....	50 30	114 45	9,000
Livingstone Range.....	50 14	114 30	7,000-8,000
Kananaskis Lake.....	50 38	115 08	5,460
Mist Mountain.....	50 34	114 53	10,030
McDougall, Mount.....	50 56	115 04	8,500
Rae, Mount.....	50 40	115 00	10,160
Assiniboine, Mount.....	50 56	115 42	11,860
Kananaskis Range.....	50 45	115 15	8000-9000*
Wind Mountain.....	50 59	115 14	10,100
Tyrrell, Mount.....	51 42	115 51	8,846
White, Mount.....	51 09	115 51	9,131
Prow Mountain.....	51 08	115 54	8,683
Douglas, Mount.....	51 32	115 59	9,000
Macoun, Mount.....	54 31	116 04	8,697
Devils Head Mountain.....	51 21	115 16	9,205
Minnewanka or Devils Lake.....	51 15	115 25	4,800
Sulphur Mountain.....	51 07	115 32	8,030
Peechee, Mount.....	51 13	115 23	9,615
Inglismaldie, Mount.....	51 15	115 25	9,715
Rundle, Mount.....	51 09	115 30	9,665
Fairholme Mountains, north peak.....	51 09	115 20	9,305
Fairholme Mountains, south.....	51 09	115 19	9,205
Saddle Peak.....	51 14	115 14	9,278
A. 2.....	51 00	115 08	8,180
Goat Range, summit.....	51 01	115 27	9,290
Three Sisters, east peak.....	51 01	115 20	8,840
Three Sisters, west peak.....	51 01	115 21	9,734
Grotto Mountain.....	51 05	115 16	8,870
Pigeon Mountain.....	51 02	115 12	7,845
End Mountain.....	51 12	115 08	7,856
Cascade Mountain.....	51 14	115 34	9,826
Stoney Squaw Mountain.....	51 12	115 34	6,160
Aylmer, Mount.....	51 20	115 26	10,365
A. 4.....	51 16	115 29	7,570
Edith, Mount.....	51 12	115 39	8,370
Tunnel Mountain.....	51 11	115 33	5,540
C. 6.....	51 20	115 37	7,988
K. 6.....	51 21	115 31	8,648
B. 6.....	51 21	115 33	9,590
L. 6.....	51 20	115 33	8,100
F. 6.....	51 24	115 39	7,850
Palliser Range, summit.....	51 28	115 37	9,930
P. 6.....	51 28	115 39	9,125
Sawback Range, summit.....	51 22	115 49	10,000

*A uniform addition of 30 feet has been made to the published altitudes of peaks in the vicinity of the Canadian Pacific Railway, to reduce them to mean tide.

ALBERTA	Lat.	Long.	Elevation
A. 8.	51 18	115 40	9,690
G. 8.	51 21	115 45	8,628
Vermilion Range, summit	51 28	115 47	9,855
Panther Mountain	51 31	115 40	9,595
D. 7.	51 29	115 43	8,405
Vermilion Pass	51 13	116 03	5,264
Fatigue Mountain	51 02	115 41	9,697
Simpson Pass, summit	51 01	115 43	6,650
H. 1.	51 11	115 48	7,980
Pilot Mountain	51 11	115 49	9,680
Hole-in-the-wall Mountain	51 12	115 42	9,184
Bourgeau Mountain	51 08	115 46	9,517
Castle Mountain	51 18	115 56	9,576
K. 1.	51 19	115 54	9,380
Copper Mountain	51 13	115 53	9,100
Bonnet Peak			10,290
Storm Peak	51 12	116 00	10,360
Ball, Mount.	51 09	116 00	10,930
Hector, Mount.	51 34	116 15	11,235
Victoria, Mount.	51 22	116 18	11,150
Hungabee, Mount	51 20	116 16	11,305
Deltaform, Mount.	51 18	116 15	11,945
Lefroy, Mount.	51 21	116 16	11,290
Popes Peak	51 25	116 17	9,625
Whyte, Mount	51 24	116 17	10,365
Temple, Mount	51 21	116 12	11,637
Aberdeen, Mount.	51 23	116 15	10,480
St. Piran, Mount.	51 25	116 15	8,610
Louise, Lake	51 25	116 13	5,675
Agnes Lake	51 25	116 14	6,850
Mirror Lake	51 25	116 14	6,530
Niles, Mount	51 30	116 25	9,510
Daly, Mount.	51 31	116 23	10,255
Balfour, Mount.	51 34	116 28	10,330
Fairview Mountain	51 24	116 13	8,875
Saddle Mountain	51 23	116 12	7,900
Sheol, Mount.	51 23	116 13	10,080
Gordon, Mount	51 36	116 31	11,130
Huber, Mount.	51 22	116 17	11,430
Beehive Mountain	51 25	116 14	7,380
Bow Lake, Lower	51 35	116 22	5,530
Bow Lake, Upper	51 38	116 25	6,200
Bow or Little Fork Pass { Can. Pac. Ry.			6,775
{ Collie.	51 41	116 27	6,800
{ Wilcox			6,700
Collie, Mount.	51 35	116 35	10,700
Thompson, Mount	51 39	116 29	10,700
Freshfield Mount.	51 40	116 56	12,000
Forbes Mount	51 48	116 56	13,400
Howse Pass { Wilcox			5,300
{ Collie.	51 46	116 45	4,800
{ Can. Pac. Ry.			4,500
Sarbach, Mount	51 52	116 47	11,100
Pipestone Pass	51 46	116 16	8,300
Murchison, Mount	51 48	116 37	13,500
Wilson, Mount.	51 58	116 45	10,500
Howse Peak	51 49	116 40	10,900
Survey Peak	51 55	116 50	8,650
Lyell, Mount	51 56	117 05	12,000
Sullivan Peak	51 55	116 58	7,858
Bryce, Mount.	51 58	117 20	13,000
Pyramid Mountain	51 51	116 42	10,800
Saskatchewan, Mount	52 03	117 05	12,000
Thompson Pass	52 00	117 20	6,800
Dome Mountain	52 06	117 19	11,850
Coleman, Mount	52 06	116 55	11,000
Athabasca, Mount	52 07	117 11	11,900
Pinto Lake	52 10	116 50	5,850
Brazeau Lake	52 28	117 08	6,300
Douglas Peak	52 08	117 21	11,700
Wilcox Peak	52 12	117 14	10,000
Columbia, Mount, about	52 05	117 32	14,000
"The Twins"	52 08	117 28	11,800

ALBERTA	Lat.	Long.	Elevation
Stutfield Peak.....	52 12	117 28	11,400
Woolley Peak.....	52 17	117 32	11,700
Alberta, Mount.....	52 14	117 36	13,500
Diadem Peak.....	52 16	117 31	11,500
Wilcox Pass.....	52 09	117 10	7,000
Hooker, Mount.....	52 26	118 18	10,505
Brown, Mount.....	52 27	118 22	9,050
Athabasca Pass { Can. Pac. Ry.	52 27	118 20	5,710
{ Coleman			6,025
Pyramid Mountain	52 57	118 09	9,000
Geikie, Mount	52 43	118 22	11,000
Suette, Roche	53 08	118 07	8,100
Jacques, Roche.....	53 04	117 58	8,500
Miette, Roche.....	53 10	117 54	8,500
Bullrush Mountain	53 18	117 55	7,200
Southesk Cairn.....	52 44	117 00	8,050
Dalhousie, Mount.....	52 39	116 45	8,000
ATHABASCA			
Kississing or Cold Lake	55 15	101 15	900
Burntwood Lake.....	55 25	100 20	886
Frog portage, about	55 25	103 30	1,150
Black Bear Island Lake.....	55 40	105 45	1,200
Knee Lake.....	55 50	107 10	1,250
Ile à la Crosse Lake.....	55 45	107 50	1,330
Buffalo Lake.....	56 00	109 00	1,330
Clear Lake.....	56 00	108 20	1,330
La Loche Lake.....	56 30	109 35	1,577
Methy portage, summit.....	56 40	109 55	1,765
Methy portage, 'Cockscomb'.....	56 40	109 55	1,743
Clearwater River, at end of Methy portage.....	56 42	109 57	1,175
Foster Lakes.....	56 35	105 30	1,600
Cree Lake.....	57 30	107 00	1,530
Reindeer Lake.....	57 30	102 30	1,150
Wollaston Lake, (on height-of-land between Hudson Bay and Arctic Ocean).....	55 15	103 30	1,300
Black Lake.....	59 15	105 30	1,000
Lesser Slave Lake.....	55 25	115 30	1,890
'It is 61 miles long, has an average width of 8 miles, a maximum width of 12 miles, an area of 484 square miles and very shallow, seldom exceeding 10 feet in depth, at low water.'			
Lesser Slave plateau, south of east end of lake.....	55 30	114 45	3,090
Watershed between Peace River and Lesser Slave Lake.....	55 52	116 38	2,430
Whitefish Lake.....	55 50	115 30	2,075
Lion Lake.....	56 33	115 30	1,660
Trout Lake.....	56 35	114 40	2,130
Claire Lake.....	58 40	112 00	700
Long Lake.....	56 44	114 42	2,269
Kidney Lake.....	56 46	114 35	2,320
Pelican Lake.....	55 48	113 25	1,910
Sandy Lake.....	55 50	113 30	1,910
Buffalo Lake.....	57 35	112 55	2,000
Wabiskaw Lake, Upper.....	56 06	114 05	1,720
Wabiskaw Lake, Lower.....	55 57	113 55	1,705
Martin Mountain.....	55 30	114 45	2,900
Buffalo Head Hills.....	57 30	116 00	2,500
Birch Mountain, north end.....	58 00	112 00	2,100
Birch Mountain, south end.....	57 15	112 30	2,300
Trout Mountain.....	56 45	114 30	2,350
Iroquois Lake.....	55 27	117 05	1,830
Kenesis or Sturgeon Lake.....	55 07	117 50	2,000
Athabasca Lake.....	59 00	110 00	690
Athabasca River—			
Fort McMurray.....	56 42	111 30	840
Head of Grand rapids.....	56 18	112 40	1,200
Athabasca Landing.....	54 42	113 16	1,550
Mouth of Lesser Slave River.....	55 11	114 04	1,700
Old Fort Assiniboine.....	54 19	115 23	2,000
Ten miles below mouth of Baptiste River.....	54 06	116 50	2,700
Brule Lake, high water.....	53 18	117 50	3,201

ATHABASCA		Lat.	Long.	Elevation
Athabasca River—				
Jasper Lake.....	53 05	118 10	3,256	
Mouth of Whirlpool River.....	52 45	118 07	3,680	
Peace River—				
Confluence with Slave River.....	59 00	111 30	685	
Mouth of Red River.....	58 27	114 42	870	
Mouth of Loon River.....	58 23	115 20	920	
Fort Vermilion.....	58 24	115 58	950	
Mouth of Battle River.....	57 19	117 03	1,090	
Peace River Landing.....	56 15	117 15	1,225	
Dunvegan.....	55 56	118 37	1,305	
*Fort St. John.....	56 11	120 53	1,462	
*Hudsons Hope.....	56 02	121 58	1,522	
*Cust house, west end of Rocky Mountain portage.....	56 02	122 15	1,792	
*Confluence of Finlay and Parsnip rivers.....	56 00	123 51	2,000	
Smoky River—				
Mouth of Wapiti River.....	55 09	118 30	1,524	
Site of Jarvis cache.....	54 23	118 38	3,100	
Clear Hills.....	56 40	119 00	2,600-3,500	
MACKENZIE				
White Partridge or Kasba Lake.....	60 30	102 25	1,270	
Ennadai Lake.....	60 50	101 30	1,100	
Selwyn Lake.....	60 10	104 30	1,340	
Wholdiah or Daly Lake.....	60 30	104 00	1,290	
Doobaunt Lake.....	63 00	101 30	500	
Wharton Lake.....	64 00	100 20	300	
Thelew or Arkeleenik River, about seven miles below 'forks'.....	63 45	103 55	777	
Hill, left hand side of Thelew or Arkeleenik River, about seven miles below 'forks,' about.....	63 45	103 55	1,400	
Abbott Lake.....	63 50	106 20	1,320	
Height of land between Thelew or Arkeleenik River and Clinton-Colden Lake.....	63 40	107 00	1,394	
Artillery Lake.....	63 15	107 30	1,252	
Clark Mountain.....	64 28	124 11	3,000-4,000	
Great Slave Lake.....	62 00	114 00	200	
Great Bear Lake.....	66 00	120 00	391	
Bear Rock.....	64 56	125 40	1,400	
Rock-by-the-river-side.....	63 21	123 38	1,500	
YUKON				
Seattle, Mount.....	60 05	139 12	10,000	
Hubbard, Mount.....	Int. Bdy. Com., Canada.....		16,400	
	Coast Survey.....		12,064	
Vancouver, Mt.....	Nat. Geog. Surv.....		11,500	
	Int. Bdy. Com., Canada.....		15,617	
Cook, Mount.....	Coast Survey.....		15,666	
	Int. Bdy. Com., Canada.....		13,700	
Augusta, Mount.....	Coast Survey.....		13,758	
	Int. Bdy. Com., Canada.....		14,900	
Newton, Mount.....	Coast Survey.....		13,918	
	Nat. Geog. Surv.....		12,500	
Logan, Mount.....	Int. Bdy. Com., Canada.....		13,860	
	Coast Survey.....		13,774	
St. Elias, Mount.....	La Perouse, (1786).....		19,539	
	Malaspina, (1791).....		12,672	
	Russian chart, (1847).....		17,851	
	Tebenkof, (1847).....		17,854	
	Admiralty chart, (1872).....		16,938	
	Coast Survey, (1868).....		14,970	
	C. & G. and Nat. Geog. Surv., (1890).....		19,500	
	C. & G. and Nat. Geog. Surv., (1891).....		16,350	
	Coast Survey, (1892).....		18,100	
	Int. Bdy. Com., Canada (1895).....		18,010	
	Duc d'Abruzzi, (1897).....		17,978	
	Coast Survey chart, (1900).....		18,060	
Tagish Lake.....	60 10	134 15	18,024	
Marsh, Lake.....	60 30	134 15	2,161	
Laberge, Lake.....	61 15	135 05	2,160	
Kusawa Lake.....	60 30	135 45	2,100	
* In British Columbia.				

YUKON	Lat.	Long.	Elevation
Teslin Lake.....	60 15	132 45	2,400
Jubilee Mountain.....	60 05	134 04	6,380
White, Mount.....	60 18	133 54	5,000
Hayes Peak.....	60 18	133 12	5,050
Little Atlin Lake.....	60 15	133 55	2,270
Atlin Lake.....	59 45	133 45	2,200
Lansdowne, Mount.....	60 21	134 28	6,140
Lorne, Mount.....	60 27	134 38	6,400
Michie Mountain.....	60 30	134 01	5,540
Golden Horn Mountain.....	60 33	134 58	5,610
Haeckel Hill.....	60 47	135 18	3,900
Ingram, Mount.....	60 45	135 39	8,000
M'Clintock Peak.....	60 48	133 47	6,000
Laurier, Mount.....	60 05	134 48	5,265
Miners Range.....	61 00	135 15	4,000-4,500
Sifton Mountain.....	61 15	136 00	7,500
Hutchi village.....	61 24	136 30	2,600
The Three Guardsmen.....	61 24	137 15	7,300
Semenof Hills.....	61 55	134 50	3,500-4,000
Dawson Range.....	62 25	137 00	7,000
Lewes and Pelly rivers, confluence of.....	62 47	137 17	1,555
Yukon River at Dawson.....	64 02	139 25	1,200
Macmillan Mountains.....	62 55	135 30	3,500-4,000
Glenlyon Mountains.....	62 30	134 15	5,100-5,300
Pelly Mountains.....	62 40	132 00	7,000
Pelly River, at west end of Liard River portage.....	60 47	131 02	2,965
Pelly and Liard portage, summit.....	61 44	130 40	3,150
Finlyson Lake.....	61 42	130 30	3,105
Frances Lake.....	61 20	129 30	2,577
Campbell Mountains.....	61 20	129 40	5,500
Simpson Tower.....	61 25	129 22	5,230
Logan Peak.....	61 33	129 04	9,000
Billings, Mount.....	61 15	128 50	7,950
Tent Peak.....	61 51	128 40	7,860
Simpson Mountains.....	60 45	129 30	6,500
FRANKLIN			
Bathurst Island—			
Stokes Range.....	76 20	101 40	1,300
Wilmot, Mount.....	76 30	103 00	800
Jeffries Range.....	76 10	99 30	1,500
Bylot Island.....	73 00	79 00	2,200
Cockburn Island—			
Sillem Island.....	71 00	71 30	3,000
Bruce Mountains.....	71 00	72 00	4,000-5,000
Eglinton Fiord, peak on north shore.....	70 55	70 30	1,200
Ellesmere Land, Prince of Wales Mountains.....	78 30	78 30	2,000
Range twenty-five miles N.W. of head of Hayes Sound.....	79 15	80 30	3,000-4,000
Grant Land—			
Peak behind Cape Union.....	82 15	62 20	2,200
Pullen, Mount.....	82 30	62 20	1,700
Cheops, Mount.....	82 35	65 30	4,800
Grant, Mount.....	82 28	65 15	4,900
Rawlinson, Mount.....	82 40	68 30	5,000
Frere, Mount.....	82 40	69 30	5,000
Disraeli, Mount.....	82 52	67 15	2,500
Gladstone, Mount.....	82 54	67 00	2,500
Foster, Mount.....	82 52	66 45	2,000
Giffard, Mount.....	82 58	68 15	2,300
Hornby, Mount.....	83 00	70 00	2,000
Cooper Key Mountains.....	83 06	70 30	1,800
Challenger Mountains.....	82 22	81 00	2,000
Grinnell Land—			
Neville, Mount.....	81 10	70 30	3,800
Arthur, Mount.....	81 13	74 30	4,500
Britannia, Mount.....	76 55	96 30	1,500
Pope, Mount.....	80 39	76 20	5,000
North Devon—			
Trüter Mountains.....	75 40	81 00	2,000
Blanche Mountain.....	76 40	91 30	2,000
North Kent Island.....	76 40	90 00	2,000
Prince of Wales Land, Mount Clarendon.....	73 20	100 30	500

BRITISH COLUMBIA		Lat.	Long.	Elevation
Rocky Mountains				
Kirby and Spence, Mount.....	49 03	114 15	9,290	
Macdonald Range.....	49 10	114 45	8,000	
The Steeples.....	49 33	115 26	8,340	
Beehive Mountain.....	50 35	114 44	8,500	
Assiniboine, Mount.....	50 56	115 42	11,860	
Hughes Range.....	49 45	115 40	6,000	
Selkirk, Mount.....	50 55	115 59	7,700	
Upper Columbia or Windermere Lake.....	50 20	115 55	2,700	
Verandrye Mountain.....	50 59	116 02	9,234	
Brisco Range.....	56 45	116 15	7,500-8,000	
Beaverfoot Range.....	51 10	116 40	8,000-9,000	
Waputtehk Mountains.....	51 30	116 20	10,000	
South Kootanie Pass—				
Summit, watershed range.....	49 07	114 08	7,100	
West summit.....	48 56	114 42	5,280	
North Kootanie Pass—				
Summit, watershed range.....	49 23	114 36	6,750	
West summit.....	49 20	114 55	6,850	
Crow Nest Pass—				
Railway summit.....	49 38	114 42	4,449	
Trail summit, watershed range.....	49 33	114 44	4,845	
West summit, on trail.....	49 29	114 54	5,500	
North Fork Pass.....	49 55	114 43	6,773	
Simpson Pass.....	51 02	115 41	6,650	
Vermilion Pass.....	51 13	116 03	5,264	
White Mans Pass.....	50 47	115 30	6,807	
Kananaskis Pass.....	50 37	115 12	6,200	
Sinclair Pass.....	50 41	116 00	4,662	
Carnarvon, Mount.....	51 21	116 39	8,876	
Moberly Peak.....	51 22	116 55	7,780	
Chancellor Peak.....	51 12	116 30	10,780	
Vaux, Mount.....	51 15	116 30	10,741	
Russell, Mount.....	51 22	116 40	8,880	
O'Hara Lake.....	51 21	116 19	6,480	
Wiwaxy Peaks.....	51 22	116 19	8,230	
Victoria, Mount.....	51 22	116 18	11,150	
Hungabee, Mount.....	51 20	116 16	11,305	
Deltaform, Mount.....	51 18	106 15	10,945	
Lefroy, Mount.....	51 21	116 16	11,290	
Whyte, Mount.....	51 24	116 17	10,365	
Niles, Mount.....	51 30	116 25	9,510	
Daly, Mount.....	51 31	116 23	10,255	
Balfour, Mount.....	51 34	116 28	10,000	
Hunter, Mount.....	51 17	116 42	8,605	
Stephen, Mount.....	51 24	116 26	10,523	
Cathedral Mountain.....	51 24	116 23	10,284	
Sherbrooke Lake.....	51 27	116 23	8,310	
Huber, Mount.....	51 22	116 17	11,400	
Owen, Mount.....	51 19	116 25	10,000	
Dennis, Mount.....	50 22	116 28	7,971	
Field, Mount.....	51 26	116 28	8,554	
Wapta, Mount.....	51 27	116 29	9,990	
Collie, Mount.....	51 35	116 35	10,700	
Thompson, Mount.....	51 37	116 29	10,700	
Mummery, Mount.....	51 36	116 48	12,000	
Freshfield, Mount.....	51 40	116 56	12,000	
Baker Pass.....	51 45	116 43	6,700	
Howse Peak.....	51 49	116 40	10,900	
Howse Pass { Wilcox.....			5,300	
{ Collie.....	51 46	116 45	4,800	
{ Can. Pac. Ry.....			4,500	
Bush Peak.....	51 52	117 12	13,000	
Goat Peak.....	51 52	117 26	8,200	
Lyell, Mount.....	51 56	117 05	12,000	
Bryce, Mount.....	51 58	117 20	13,000	
Thompson Pass.....	52 00	117 20	6,800	
Dome Mountain.....	52 06	117 19	11,850	
Columbia, Mount, about.....	52 05	117 32	14,000	
Fortress Lake { Wilcox.....			4,175	
{ Coleman.....	52 23	117 55	4,330	

BRITISH COLUMBIA	Lat.	Long.	Elevation
Rocky Mountains			
Fortress Lake, peak near west end	52 20	118 02	11,450
Hooker, Mount.	52 26	118 18	10,505
Brown, Mount.	52 27	118 22	9,050
Athabasca Pass { Can. Pac. Ry	52 27	118 20	6,025
{ Coleman			5,710
Geikie, Mount.	52 43	118 22	11,000
Robson Peak (highest known peak in Canadian Rockies)	53 06	119 10	13,700
Mica Mountain.	52 53	119 30	9,600
Thompson, Mount.	52 42	119 08	8,790
Selkirk Mountains			
Fisher Mountain.	49 39	115 29	9,245
Baker, Mount.	49 28	115 37	7,100
Yahk Mountain.	49 12	115 43	7,000
Pyramid, Mountain.	49 44	116 15	8,500
Hungry Peak.	49 45	116 32	8,600
Copper Mountain.	49 49	116 31	8,360
Davie Mountain.	49 29	116 42	7,817
Sphinx Mountain.	49 38	116 39	8,370
Hooker, Mount.	49 40	116 40	8,055
Crawford, Mount.	49 46	116 44	7,700
Bluebell Mountain.	49 45	116 47	7,135
Loki, Mount.	49 50	116 45	9,120
Nelson, Mount.	50 22	116 15	10,000
Duncan or Upper Kootanic Lake.	50 20	117 00	1,800
Sugar Loaf, Mount.	51 01	117 23	9,250*
Purity, Mount.	51 05	117 29	9,060
Lardo or Trout Lake.	50 30	117 30	2,400
Denville, Mount.	51 08	117 25	9,093
Perley Rock { Topham	51 14	117 24	7,153
{ Green			8,267
Sir Donald, Mount.	51 15	117 25	10,645
Bonney, Mount.	51 11	117 32	10,652
Ross Peak.	51 14	117 34	7,616
Eagle Peak.	51 16	117 25	9,527
Cheops, Mount.	51 17	117 33	8,900
Macdonald, Mount.	51 18	117 28	9,440
Tupper, Mount.	51 15	117 31	7,775
Abbott, Mount.	51 20	117 29	9,063
Hermit Mountain.	51 20	117 33	9,710
Rogers, Mount.	51 20	117 32	10,724
Swiss, Peak.	51 21	117 32	10,692
Marion Lake.	51 15	117 31	5,800
Afton Mountain.	51 14	117 31	8,600
Rampart Mountain.	51 13	117 30	8,650
Dome Mountain.	51 12	117 29	9,040
Castor, Mount.	51 12	117 29	9,100
Pollux, Mount.	51 12	117 29	9,150
Fox, Mount.	51 09	117 25	10,200
Duncan, Mount.	51 07	117 30	9,400
Dawson, Mount.	51 08	117 25	10,840
Green, Mount.	51 14	117 35	10,000
Uto Peak.	51 16	117 25	9,600
Avalanche, Mount.	51 17	117 27	9,350
Macoun, Mount.	51 12	117 24	10,000
Mackenzie, Mount.	50 57	118 06	7,399
Tilley, Mount.	50 57	118 05	7,612
Cartier, Mount.	50 54	118 03	8,412
West Kootenay			
Reco Mountain.	50 00	117 11	8,560
Blue Ridge.	50 04	117 07	6,020

* As all barometric altitudes of peaks in the vicinity of Glacier are based on an assumed elevation, for Glacier station, of 4,122 feet (corrected height, 4,093), a deduction of 29 feet has been made from the published determinations, to reduce to mean tide.

BRITISH COLUMBIA,	Lat.	Long.	Elevation
West Kootenay			
Paddy Peak.....	49 59	117 08	8,162
Silver Ridge.....	49 57	117 14	7,026
Kokanee Mountain.....	49 45	117 08	9,400
Yuill, Mount.....	49 40	117 06	7,300
Balfour Knob.....	49 40	117 00	7,406
Grohman Mountain.....	49 37	117 19	7,550
Nelson, Mount.....	49 32	117 18	5,800
Slocan Ridge.....	49 32	117 33	6,050
Irvine, Mount.....	49 33	116 57	7,765
Lasca, Mount.....	49 30	117 02	7,804
Drewry Mountain.....	49 29	116 53	7,817
Ymir Mountain.....	49 26	117 07	7,920
Elise Mountain.....	49 21	117 11	6,960
McGregor Mountain.....	49 21	116 51	7,320
Burnett Mountain.....	49 17	116 52	7,500
Steeple Mountain.....	49 15	116 48	7,590
Rykert Mountain.....	49 02	116 44	6,520
North Star Mountain.....	49 02	116 52	6,510
Irene Mountain.....	49 03	116 57	6,750
Lost Mountain.....	49 03	117 10	7,002
Wall Mountain.....	49 11	116 59	7,690
Toad Mountain.....	49 25	117 19	7,334
Red Mountain (Nelson).....	49 24	117 20	7,250
Connor Mountain.....	49 24	117 09	7,050
Copper Mountain.....	49 24	117 07	7,460
Siwash Mountain.....	49 21	117 12	7,700
Dominion Mountain.....	49 21	117 20	7,430
Grassy Mountain.....	49 18	117 29	6,670
Aaron Hill.....	49 17	117 32	5,100
Heinze Mountain.....	49 09	117 40	4,950
Beaver Mountain.....	49 08	117 26	6,400
Eric Mountain.....	49 13	117 22	5,198
Whatsban lakes.....	50 00	118 05	2,100
Scalping Knife Mountain.....	50 05	117 51	6,915
Silver Mountain.....	50 04	117 41	7,795
Ingersoll Mountain.....	50 03	117 59	7,240
Naumulten Mountain.....	49 52	117 57	8,010
Vingolf Mountain.....	50 02	117 33	8,415
Niord, Mount.....	49 59	117 34	8,815
Denver, Mount.....	49 58	117 30	8,815
Hela, Mount.....	49 54	117 35	8,915
Demers, Mount.....	49 53	117 40	8,640
Grey Wolf Mountain.....	49 58	117 41	7,440
Urd, Mount.....	49 52	117 42	8,640
Bor, Mount.....	49 50	117 44	9,073
Woden, Mount.....	49 50	117 47	8,871
Gimli, Mount.....	49 46	117 38	9,215
Hilda, Mount.....	49 48	117 55	8,630
Gladstein Mountain.....	49 47	117 36	9,275
Rinda Mountain.....	49 44	117 43	8,275
Freya, Mount.....	49 42	117 49	8,382
Heimdal Mountain.....	49 41	117 46	8,215
Mista Mount.....	49 41	117 59	8,255
Sangrida, Mount.....	49 39	117 59	8,270
Perry Ridge.....	49 36	117 38	7,020
Airy Mountain.....	49 33	117 50	8,540
Stanley Mountain.....	49 32	117 56	7,925
Norns Mountains, east.....	49 30	117 42	7,365
Norns Mountain, west.....	49 30	117 47	8,115
Deer Park Mountain.....	49 29	118 03	3,930
Ladybird Mountain.....	49 25	117 48	7,567
Pine Ridge.....	49 24	117 55	5,900
Sentinel Mountain.....	49 22	117 36	5,470
Shields Mountain.....	49 21	118 00	6,040
Gem Hill.....	49 18	117 55	5,490
Robson Ridge, east end.....	49 19	117 44	5,220
Robson Ridge, west end.....	49 19	117 53	5,290
MacKie Mountain.....	49 15	117 48	7,230
Red Mountain (Rossland).....	49 05	117 48	5,150
Champion lakes.....	49 11	117 37	3,550

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Kootenay			
Solway Hill	49 12	117 47	4,900
Talus Hill.....	49 06	117 47	3,070
Lookout Mountain.....	49 04	117 42	4,420
Tamarack Mountain.....	49 02	117 48	4,300
Lake Mountain.....	49 02	117 44	5,410
O.K. Mountain.....	49 04	117 51	5,090
Spokane Mountain.....	49 05	117 51	6,405
Granite Mountain.....	49 06	117 51	6,665
Kirkup Mountain.....	49 07	117 51	8,505
Malde Mountain.....	49 01	117 48	3,795
Violin Lake.....	40 02	117 42	3,090
Lillooet Lake.....	50 15	122 40	620
Chilukweyuk Mountain.....	49 05	121 30	6,570
Princeton (Allison).....	49 27	120 28	1,885
Allison or South Pass.....	49 15	120 47	5,808
Striped Mountain.....	49 22	120 05	2,700
Okanagan Mountain.....	49 45	119 30	3,740
Osoyoos Lake.....	49 00	119 27	860
Keremeos.....	49 12	119 48	1,390
Shuswap District			
Monashee Mountain.....	50 08	118 27	5,900
Silver Hills, north.....	50 22	118 39	5,900
Silver Hills, south.....	50 19	118 42	5,000
Park Mountains, highest.....	50 32	118 37	7,450
Mabel Mountain.....	50 41	118 34	7,560
Joss Mountain.....	50 49	118 27	7,900
Griffin Mountain.....	50 54	118 40	6,850
Hunters Range, highest.....	50 46	118 50	7,490
Ida, Mount.....	50 38	119 18	5,200
Bastion Mountains, highest.....	50 50	119 09	5,360
Ta-haet-kun Mountain.....	50 16	119 44	6,630
Bouleau Mountain.....	50 19	119 41	6,000
Monte Hills, highest.....	50 27	119 57	2,580
Aberdeen Mountain.....	50 21	119 04	6,100
Trinity Hills, highest.....	50 29	118 53	4,750
Camel Hump Mountain.....	50 14	118 50	4,180
Ea-te-kwa-lan Mountain.....	50 31	119 39	5,260
Martin Mountain.....	50 36	119 45	5,190
Bobbie Burns Mountain.....	50 26	118 50	5,000
Tsal-kom Mountain.....	50 55	119 43	5,000
Tod, Mount.....	50 53	119 55	7,230
Queest Mountain, north.....	51 03	118 48	6,682
Queest Mountain, south.....	51 02	118 48	7,081
Begbie, Mount.....	50 53	118 17	8,842
Macpherson, Mount.....	50 56	118 18	7,893
Sandy Mountain.....	51 05	119 13	7,020
Lichen Mountain.....	51 09	119 17	6,850
Adams Plateau, summit.....	51 03	119 34	6,000
Puk-e-ash-un Mountain.....	51 12	119 14	7,390
Nisconlith Lake.....	50 47	119 46	1,620
Shuswap Lake—	51 00	119 15	
Extreme high water.....			1,152
Low water.....			1,136
Adams Lake.....	51 10	119 35	1,357
East Barrière Lake.....	51 15	119 47	2,250
Swan Lake.....	50 19	119 15	1,285
Little Shuswap Lake, high water.....	50 19	119 40	1,146
Long Lake.....	50 10	119 20	1,275
Okanagan Lake—	50 00	119 20	
High water.....			1,135
Low water.....			1,130
Sugar Lake.....	50 25	118 30	1,980
Mabel Lake.....	50 30	118 45	1,270
Chaperon Lake.....	50 12	120 03	3,060
Pinasos Lake.....	50 25	119 36	3,120
White Lake.....	50 53	119 15	1,560

BRITISH COLUMBIA	Lat.	Long.	Elevation
Kamloops District			
Young Lake (expansion of Bonaparte River)	51 15	121 00	3,000
Bonaparte Lake.	51 15	120 30	3,760
Kamloops Lake—	50 45	120 40	
High water.. ..			1,138
Low water			1,110
Stump Lake.	50 22	120 22	2,450
Nicola Lake (Geological Survey)	50 10	120 30	2,020
(Can. Pac. Ry.)			2,127
Seton Lake—	50 39	122 00	
High water			800
Low water			795
Loon Lake.	51 06	121 15	2,820
Big Bar Lake	51 19	121 47	3,630
Pavilion Lake.	50 50	121 44	2,652
Mamit Lake.	50 23	120 49	3,270
Gnawed Mountain.	50 25	120 59	5,720
Choowhels Mountain.	50 32	120 35	6,200
Coal Hill	50 37	120 22	3,470
Nicoamen Plateau.	50 20	121 18	5,340
Lytton Mountains.	50 13	121 29	6,520
Arthurs Seat.	50 25	120 25	5,500
Nicola Plateau.	50 15	121 35	5,000
Iron Mountain.	50 02	120 46	5,280
Dufferin Hill.	50 40	120 24	2,830
Savona Mountain.	50 42	120 49	4,820
Tranquille Plateau.	50 53	121 34	5,040
Porcupine Ridge.	50 59	120 34	6,030
Silwhoiakun Mountain.	51 00	120 30	6,030
Skoatl Point	51 09	120 25	5,450
Skwilkwakwil Mountain.	50 20	121 05	5,660
Mi-men-oo Mountain.	50 11	121 12	6,030
Spaist Mountain.	50 23	121 04	5,780
Glossy, Mount.	50 37	121 09	6,150
Cinder Hill.	50 34	121 08	5,070
Akasik Mountain.	50 14	121 45	8,060
Skihst Mountain.	50 11	121 47	9,660
Pe-tloosh-kwo-hap Mountain.	50 13	121 51	9,180
Stein Mountain.	50 20	121 47	8,900
Botanie Mountain.	50 22	121 36	6,620
Murray, Mount.	50 31	121 32	6,880
Forge Mountain.	50 34	121 00	5,500
White Mountain.	50 36	121 26	6,000
Lookout Point.	50 33	121 28	6,600
Blustry Mountain.	50 36	121 40	7,640
Cairn Mountain.	50 38	121 40	7,650
As-kom Mountain.	50 29	121 49	8,150
Brew, Mount.	50 37	121 55	7,300
McLean, Mount.	50 43	122 00	7,600
Chi-poon Mountain.	50 44	121 43	7,070
Cornwall Hills.	50 41	121 26	6,600
Fountain Ridge.	50 40	121 51	5,820
Arrowstone Hills, north	51 00	121 09	5,700
Arrowstone Hills, south.	50 55	121 13	5,740
Pavilion Mountains, north.	50 58	121 41	6,920
Pavilion Mountains, south.	50 52	121 40	6,800
Martley, Mount.	50 48	121 43	6,370
Tailsalt Ridge.	50 59	121 37	6,300
Soues, Mount.	51 04	121 43	7,000
Bowman, Mount.	51 15	121 53	7,600
Big Bar P.O.	51 18	122 01	3,300
Clinton Junction Creek at trail crossing.	51 05	121 34	3,040
Bonaparte River, at mouth of Junction Creek	51 07	121 28	2,225
Bonaparte River, at mouth of Cache Creek	50 48	121 19	1,460
Boys—70-mile House	51 19	121 23	3,800
Poison Hill.	51 05	120 25	5,370
Scarped Mountains, north.	50 21	121 28	5,800
Scarped Mountains, south.	50 19	121 29	5,860
Pauls Peak	50 42	120 17	3,570
Fountain Peak.	50 43	121 53	5,640
Camelsfoot Mountains.	50 52	122 00	7,300
Trachyte Hills.	50 48	121 29	5,200

BRITISH COLUMBIA	Lat.	Long.	Elevation
Vancouver Island			
Metchosin Hill.....	48 24	123 32	812
McDonald Peak.....	48 26	123 35	1,430
Saddle Mountain.....	48 26	123 39	1,937
Conspicuous Peak.....	48 28	123 40	2,188
Wolf Hill.....	48 28	123 35	900
Sheepshanks Hill.....	48 34	123 34	960
Mill Hill.....	48 27	123 29	650
Leading Peak.....	48 29	123 33	1,346
Douglas, Mount.....	48 30	123 31	696
Saanich Hill.....	48 31	123 26	669
Work, Mount.....	48 32	123 30	1,440
Fane, Mount.....	48 34	123 29	1,300
Jeffrey, Mount.....	48 36	123 33	1,800
Wood, Mount (Saanich Inlet).....	48 37	123 35	1,600
Newton, Mount.....	48 37	123 28	800
Saddle Hill.....	48 42	123 28	550
House Cone.....	48 40	124 33	2,500
Poett Heights.....	48 52	124 58	2,753
Pachena Cone.....	48 52	125 03	2,223
Blenheim, Mount.....	48 55	124 57	2,408
Hecate, Mount.....	49 01	124 58	3,440
Parsons, Mount.....	49 00	124 43	4,554
Grey, Mount.....	49 00	124 41	4,768
Spencer, Mount.....	49 04	124 39	4,718
Douglas, Mount.....	49 08	124 39	4,245
Moriarty, Mount.....	49 08	124 28	5,185
Arrowsmith, Mount.....	49 13	124 36	5,976
Arbutus Summit.....	49 13	124 51	1,702
Hankin, Mount.....	49 11	124 48	2,279
Turret Mountain.....	49 04	125 11	1,782
Broughton Peaks, north.....	49 00	125 14	3,414
Broughton Peaks, south.....	48 59	125 14	3,070
Ozzard, Mount.....	48 58	125 30	2,270
Frederick, Mount.....	48 59	125 31	2,472
Maitland, Mount.....	49 09	125 29	4,337
Colnett, Mount.....	49 11	125 51	2,616
Lone Cone.....	49 13	125 55	2,332
Catface Mountains, north.....	49 16	125 59	3,370
Catface Mountains, south.....	49 16	126 00	2,891
Bedingfield Range, summit.....	49 20	125 51	3,800
Wood, Mount (Clayaquot Sound).....	49 22	125 49	4,162
Steeple Mountain.....	49 20	125 45	4,402
Flores Island, summit.....	49 18	126 10	3,000
Round Saddle.....	49 26	126 24	2,310
Leading Mountain.....	49 29	126 27	2,726
Lombard, Mount.....	49 34	126 33	3,000
Bauke, Mount.....	49 34	126 33	2,018
Bury, Mount.....	49 35	126 30	3,096
Albermarle, Mount.....	49 35	126 28	3,756
Adair, Mount.....	49 35	126 31	2,889
Mills Mountains.....	49 35	126 30	2,396
Powell, Mount.....	49 36	126 29	3,083
Serjeant, Mount.....	49 37	126 28	2,222
Conuna Peak.....	48 50	126 18	4,889
Bate, Mount.....	49 52	126 30	5,091
Herbert, Mount.....	49 53	126 30	4,200
Needle Peak.....	49 51	126 33	4,475
Walker, Mount.....	49 45	126 34	3,646
Nootka Cone.....	49 37	126 40	1,619
Geneviève, Mount.....	49 42	126 53	1,800
Sophia Range.....	49 48	126 52	2000-2500
Rosa, Mount.....	49 48	126 55	2,553
Leading Hill.....	49 51	127 01	1,104
Eliza Dome.....	49 53	127 08	2,819
Eliza Ears, north.....	50 00	127 01	4,107
Eliza Ears, south.....	49 59	127 02	3,885
Anvil Peak.....	49 58	127 09	3,279
Ship Peak.....	49 59	127 09	3,197
Stone Nipples, north.....	49 59	127 11	3,360
Stone Nipples, south.....	49 58	127 11	3,464

BRITISH COLUMBIA	Lat.	Long.	Elevation
Vancouver Island			
Family Humps, east.....	50 03	127 08	2,980
Family Humps, west.....	50 03	127 09	2,892
Slate Mountain.....	50 05	127 06	2,607
Union Island.....	50 02	127 17	1,484
Sharp Snow Summit.....	50 06	127 02	3,787
False Ears.....	50 08	127 09	3,814
Garibaldi Peak, east.....	50 12	127 13	4,458
Garibaldi Peak, west.....	50 12	127 15	3,695
Snow Saddle Mountain.....	50 16	127 15	4,151
St. Pauls Dome.....	50 03	127 25	1,885
Red Mountain.....	50 06	127 29	2,348
Sharp Peak.....	50 13	127 44	2,975
Gap Mountain.....	50 26	127 56	2,204
Saddle Mountain.....	50 30	127 55	1,396
Nose Peak.....	50 29	128 00	1,730
Burnt Hill.....	50 28	128 01	1,095
Entrance Mountain.....	50 28	128 04	1,275
Triangle Island.....	50 52	129 05	680
Cox Island.....	50 47	128 37	1,047
Lanz Island.....	50 49	128 42	1,177
Shushartie Saddle.....	50 49	127 52	1,900
Lemon, Mount (Galiano or Negay Island).....	50 53	127 48	1,200
Table Mountain.....	50 30	127 04	3,080
Nimkish or Karmutzen Lake.....	50 25	127 00	100
Karmutzen, Mount.....	50 21	127 01	5,500
Castle, Mount.....	50 27	127 09	4,640
Holdsworth, Mount.....	50 31	126 56	3,040
Hankin Range.....	50 25	126 55	4,000
Franklin Range.....	50 28	126 40	4,680
Newcastle Range.....	50 25	126 12	2,000
Palmerston, Mount.....	50 25	126 20	5,000
Prince of Wales Range.....	50 21	125 52	4,645
Menzies, Mount, north.....	50 14	125 31	3,830
Menzies, Mount, south.....	50 13	125 30	3,257
Rugged Peak.....	49 54	125 33	4,000
Alexandra Peak.....	49 44	125 30	6,394
Albert Edward, Mount.....	49 41	125 27	6,908
Washington, Mount.....	49 45	125 19	5,415
Geoffrey, Mount.....	49 31	124 43	1,090
Beaufort Range.....	49 28	125 00	5,420
Denman Island.....	49 31	124 48	535
Mark, Mount.....	49 22	124 45	3,080
Horne Lake.....	49 20	124 43	357
Wesley, Mount.....	49 19	124 39	2,530
Evans, Mount.....	49 18	124 41	2,500
View Mountain.....	49 18	124 47	1,000
Benson or Wakesiah, Mount.....	49 09	124 04	3,366
Hayes, Mount.....	49 01	123 54	1,550
Nicholls, Mount.....	48 57	123 51	1,900
Stanton Peak.....	48 58	123 49	1,609
Prevost, Mount.....	48 51	123 46	2,687
Mexicana Hill.....	49 04	123 38	600
Rugged Peak (Thetis Island).....	49 00	123 40	500
Quadra Hill (Galiano Island).....	49 56	123 30	740
Mayne Island.....	48 51	123 17	804
Shepherd, Mount.....	48 26	123 39	1,908
Bruce, Mount.....	48 48	123 30	2,329
Lazar, Mount.....	48 36	123 47	2,190
Good, Mount.....	48 53	124 10	4,000
Franklin, Mount.....	48 55	124 11	5,000
Drew, Mount.....	48 57	124 19	4,500
Whynper, Mount.....	48 58	124 14	5,120
Landalt, Mount.....	48 59	124 17	4,250
Hooper, Mount.....	49 01	124 28	5,100
Buttle, Mount.....	49 01	124 34	5,250
Euptor, Mount.....	49 35	125 38	6,000
Crown Mountain.....	49 56	125 48	6,082
Victoria Peaks.....	50 04	126 10	7,484
Twin Peaks, north.....	50 30	127 17	4,520
Twin Peaks, south.....	50 29	127 17	4,630

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Stony Mountain.....	48 46	123 10	1,409
David, Mount.....	48 48	123 11	800
Parke, Mount.....	48 50	123 18	804
Solitary Hill.....	49 09	122 00	1,166
Sumas Mountain.....	49 03	122 02	3,220
Grant Hill.....	49 12	122 30	1,240
Blanchard or Golden Ears, Mount.....	49 22	122 31	5,560
Crown, Mount.....	49 25	123 09	4,708
Black Mountain.....	49 23	123 14	4,280
Strahan, Mount.....	49 25	123 12	5,249
Harvey, Mount.....	49 28	123 11	5,865
Brunswick, Mount.....	49 30	123 12	6,265
Murchison, Mount.....	49 44	123 14	6,126
Roderick, Mount.....	49 43	123 17	4,356
Ellesmere, Mount.....	49 38	123 48	5,800
Wrottesley, Mount.....	49 37	123 21	5,836
Elphinstone, Mount.....	49 28	123 33	4,508
Gambier Island.....	49 31	123 26	3,176
Conspicuous Cone.....	49 25	123 30	900
Gardner, Mount.....	49 23	123 24	2,479
Leading Peak (Anvil Island).....	49 33	123 18	2,746
Tremeton, Mount.....	49 28	124 18	1,050
Nelson Island, summit.....	49 43	124 09	1,500
Halowell, Mount.....	49 42	123 57	3,980
Arthur, Mount (Pender Harbour).....	49 38	124 02	1,500
Drew, Mount.....	49 47	123 48	6,150
Marlborough Heights.....	49 57	123 55	6,114
Churchill, Mount.....	49 59	123 52	6,570
Spencer, Mount (Jervis Inlet).....	50 00	123 51	6,214
Helena, Mount.....	50 13	123 52	5,451
Albert, Mount.....	50 15	123 52	8,260
Victoria, Mount (Jervis Inlet).....	50 17	124 00	7,452
Alfred, Mount.....	50 14	124 06	8,450
Alice, Mount.....	50 12	124 04	6,285
Wellington, Mount.....	50 09	123 58	6,155
Arthur, Mount (Jervis Inlet).....	50 09	123 56	5,585
Frederick William, Mount.....	50 06	123 52	6,137
Cambridge, Mount.....	50 03	124 02	5,036
Diadem, Mount.....	50 00	124 06	6,050
Calder, Mount.....	49 54	124 00	4,960
Troubridge, Mount.....	49 49	124 11	4,360
Shepherd, Mount.....	49 32	124 12	2,900
Bunster Hills.....	50 00	124 41	3,500
Gwendoline Hills.....	50 02	124 48	840
Weaver, Mount.....	50 05	124 42	2,370
Spooner, Mount.....	50 07	124 42	1,650
Gifford Peninsula.....	50 05	124 45	1,000
Fardoe, Mount.....	50 10	124 36	5,000
Crawshaw, Mount.....	50 11	124 34	5,500
Dudley Cone.....	50 12	124 36	4,130
Green Mountain.....	50 07	125 00	860
Cortes Island.....	50 05	124 57	1,062
Llanover, Mount.....	50 11	124 50	2,200
Nipple Summit.....	50 13	124 58	2,876
Monk, Mount.....	50 16	124 52	2,540
Gloucester, Mount.....	50 17	124 53	3,228
Bunsen, Mount.....	50 17	124 47	4,100
Addenbroke, Mount.....	50 14	124 42	5,140
Evening Mountain.....	50 13	125 05	1,486
William, Mount.....	50 13	125 09	1,137
Raza Island.....	50 18	125 02	3,020
Stuart Island.....	50 23	125 10	800
Aiken, Mount.....	50 17	124 35	5,940
Denman, Mount.....	50 17	124 32	6,590
Whieldon, Mount.....	50 19	124 38	5,520
Grazebrook, Mount.....	50 21	124 39	5,420
Barner, Mount.....	50 27	124 37	6,090
Face Mountain.....	50 26	124 44	5,095
Gasteneau Mountains.....	50 24	125 46	5,740
Hayes, Mount (Bute Inlet).....	50 21	124 56	5,380

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Toba, Mount.....	50 20	125 05	2,900
Downie Range, north.....	50 25	125 03	4,626
Downie Range, south.....	50 23	125 02	4,400
Powell, Mount.....	50 28	124 58	6,066
Needle Peaks, north.....	50 44	124 49	7,625
Needle Peaks, south.....	50 43	124 48	8,145
Superb Mountain.....	50 48	124 50	8,000
Rodney, Mount.....	50 51	124 49	7,883
Evans, Mount (Bute Inlet).....	50 58	124 53	6,900
House Mountain.....	50 55	124 54	4,118
Smith, Mount.....	50 50	125 03	7,544
Granite Peak.....	50 44	124 59	6,653
Cosmos Heights.....	50 35	125 04	5,746
Stokes, Mount.....	50 27	125 11	3,662
Estero Peak.....	50 28	125 13	6,055
San Josef, Mount.....	50 30	125 16	4,200
Gardiner, Mount.....	50 35	125 15	6,300
Jones, Mount.....	50 34	125 19	6,235
Treble, Mount.....	50 30	125 21	4,000
Tucker, Mount.....	50 25	125 19	3,380
Brougham, Mount.....	50 24	125 27	2,203
Eldon, Mount.....	50 24	125 31	2,011
Solitary, Mount.....	50 26	125 40	1,718
Town Hill.....	50 25	125 45	1,200
Vanistart, Mount.....	50 24	125 47	1,464
Bradshaw, Mount.....	50 28	125 35	2,300
Harold, Mount.....	50 32	125 39	1,200
Bagshaw, Mount.....	50 33	125 29	2,800
Entwistle, Mount.....	50 35	125 30	4,000
Osmington, Mount.....	50 36	125 26	4,500
McDonald, Mount.....	50 37	125 32	3,235
Sparshot, Mount.....	50 39	125 30	2,740
Read, Mount (Loughborough Inlet).....	50 40	125 28	4,420
Pratt, Mount.....	50 40	125 25	5,330
Owen, Mount.....	50 41	125 26	4,060
Blake, Mount.....	50 42	125 32	3,000
St. John, Mount.....	50 43	125 33	2,680
Henry, Mount.....	50 44	125 29	3,000
Magin, Mount.....	50 45	125 33	1,800
Bazalgette Range.....	50 40	125 37	5,300
Paget Cone.....	50 27	125 40	2,600
Yorke, Mount.....	50 26	125 49	2,165
Royston, Mount.....	50 27	125 51	2,625
Craven Hill.....	50 27	125 56	1,000
Franklyn Range.....	50 28	125 41	3,200
Egremont, Mount.....	50 29	125 42	2,800
Clarence, Mount (Johnston Strait).....	50 27	125 43	3,015
Frederick, Mount (Johnston Strait).....	50 27	125 44	2,655
George, Mount.....	50 28	125 46	3,700
Harewood, Mount.....	50 28	125 45	2,600
Lascelles, Mount.....	50 28	125 47	3,400
Boyle, Mount.....	50 31	125 43	2,000
Hastings Hill.....	50 31	125 45	1,221
Drummond, Mount.....	50 33	125 44	3,273
Berkeley, Mount.....	50 34	125 45	3,987
Spencer, Mount (Johnston Strait).....	50 32	125 50	2,345
Shute, Mount.....	50 32	125 51	2,200
Scaife, Mount.....	50 31	125 53	2,253
Forbes, Mount.....	50 34	125 53	2,000
Geneste Cone.....	50 30	125 53	1,400
Tripp Hill.....	50 29	125 56	1,900
Sparks Cone.....	50 29	125 54	1,155
Baresides, Mount.....	50 32	125 58	3,010
Scriven, Mount.....	50 38	125 53	4,290
Sawyer, Mount.....	50 39	125 52	4,140
Camp Peak.....	50 39	125 57	3,500
Edith, Mount.....	50 38	125 47	2,600
Flora Peak.....	50 40	125 46	1,950
Lillie, Mount.....	50 43	125 38	5,280
Cap Cone.....	50 43	125 37	5,560

BRITISH COLUMBIA		Lat.	Long.	Elevation
West Coast				
Stamp, Mount.....	50 43	125 59	4,150	
Sail Cone.....	50 42	125 56	2,290	
Prideaux, Mount.....	50 44	125 55	5,060	
Beatrice Peak.....	50 43	125 51	3,410	
Catherine, Mount.....	50 44	125 46	4,420	
Young, Mount.....	50 46	125 44	4,850	
Francis, Mount.....	50 48	125 56	4,880	
Kitty Cone.....	50 45	125 36	4,200	
Wakefield, Mount.....	50 47	125 33	5,480	
Bald Peak.....	50 49	125 35	3,330	
Kennedy, Mount.....	50 50	125 32	6,655	
Three Finger Peak.....	50 51	125 31	5,610	
Glacier Peak.....	50 51	125 33	4,120	
Lang, Mount.....	50 52	125 30	5,390	
Dundas, Mount.....	50 55	125 29	5,950	
Cridge, Mount.....	50 57	125 27	5,890	
Watson, Mount.....	50 51	125 43	4,750	
Gilson, Mount.....	50 53	125 43	5,140	
Spire Peaks, east.....	50 53	125 39	1,770	
Spire Peaks, west.....	50 53	125 40	3,160	
Wood, Mount.....	50 55	125 37	5,420	
Hills, Mount.....	50 57	125 39	5,650	
Dyer, Mount.....	51 00	125 38	6,100	
Everard, Mount.....	51 01	125 42	7,000	
Swampy Peak.....	51 03	125 40	4,430	
Rodell, Mount.....	51 01	125 28	7,280	
Costello Peak.....	51 04	125 31	5,480	
Lowe, Mount.....	51 07	125 29	6,320	
Village Cone.....	51 07	125 33	3,690	
Blair, Mount.....	51 07	125 41	6,550	
Hardy, Mount.....	50 30	126 04	2,610	
Collingwood, Mount.....	50 33	126 02	3,255	
Victory, Mount.....	50 32	126 05	3,280	
Snow Mountain.....	50 33	126 09	3,000	
Bare Mountain.....	50 31	126 14	1,500	
Falkner, Mount.....	50 31	126 16	1,600	
Burnt Mountain.....	50 34	126 11	2,850	
Gosset, Mount.....	50 36	126 08	2,300	
Summerfield, Mount.....	50 37	126 08	3,750	
Hawkins, Mount.....	50 37	126 08	4,740	
Anthony, Mount.....	50 33	126 15	1,100	
Thomas, Mount.....	50 34	126 19	1,050	
Read, Mount.....	50 46	126 16	4,820	
Hulton, Mount.....	50 45	126 13	3,980	
James, Mount.....	50 43	126 25	2,676	
Dunsterville, Mount.....	50 48	126 22	2,700	
Carrington Hills.....	50 46	126 25	1,000	
Antony, Mount.....	50 42	126 07	5,060	
Frederic, Mount.....	50 43	126 04	5,000	
Foster, Mount.....	50 45	126 01	3,890	
Hooper, Mount.....	50 48	126 08	5,360	
Kingcome Mountains.....	50 55	126 09	5,600	
Smyth Cone.....	50 53	126 08	3,890	
Everingham, Mount.....	50 57	126 16	5,200	
Craig Hills.....	50 44	126 21	3,000	
Sophia, Mount.....	50 53	126 21	4,200	
Mathison, Mount.....	50 51	126 24	4,100	
Bald Mountain (Kingcome Inlet).....	50 51	126 28	2,925	
Hawes, Mount.....	50 52	126 32	1,400	
Prescott, Mount.....	50 50	126 29	3,000	
Plumridge, Mount.....	50 53	126 31	3,355	
Quoin or Stoney Mountain.....	50 49	126 38	1,500	
Double Hill.....	50 48	126 39	1,400	
Lone Hill.....	50 47	126 43	1,000	
Ick, Mount.....	50 49	126 47	1,365	
Browne, Mount.....	50 51	126 47	1,745	
Stopford, Mount.....	50 51	126 51	940	
Constable, Mount.....	50 57	126 22	5,325	
Plowden, Mount.....	50 58	126 27	4,300	
Walter, Mount.....	51 00	126 29	3,300	

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Benedict, Mount.....	51 02	126 28	3,500
Beckford, Mount.....	50 58	126 33	3,500
Pasmore, Mount.....	50 57	126 33	2,800
Lardner, Mount.....	50 56	126 32	3,465
Burrell, Mount.....	50 55	126 40	1,500
Burnaby Range.....	50 55	126 42	2,500
Stephens, Mount.....	50 58	126 41	5,665
Conolly, Mount.....	50 54	126 43	3,965
Matthew Range.....	50 53	126 43	2,365
Cliff Mountain.....	50 54	126 47	2,375
Calvert, Mount.....	50 54	126 50	1,135
Colville Range.....	50 56	126 47	2,500
Parthenope, Mount.....	50 58	126 51	1,345
Verney, Mount.....	50 59	126 52	2,225
Eliza, Mount (Drury Inlet).....	50 57	126 51	1,100
Emily, Mount.....	50 56	126 53	1,225
Nightingale, Mount.....	50 57	126 57	1,675
Florence, Mount.....	50 57	126 55	1,515
Fermanagh, Mount.....	50 56	126 57	1,135
Morton, Mount.....	50 55	126 56	1,545
Jolliffe, Mount.....	50 55	126 58	1,460
Simmonds, Mount.....	50 52	126 57	1,125
Otway, Mount.....	50 52	126 56	1,215
Hulme, Mount.....	50 52	127 01	1,065
Wynyard, Mount.....	50 52	127 02	1,200
Kerr, Mount.....	50 55	127 04	1,145
Oke, Mount.....	50 56	127 01	1,000
Thornton Bate, Mount.....	50 58	127 00	2,200
Silverlock Hills.....	50 58	127 04	1,900
Bullock, Mount.....	50 57	127 07	2,180
Adams, Mount.....	50 57	127 10	1,610
Ward, Mount.....	50 59	127 09	2,000
Snowdrift Mountain.....	51 07	126 37	4,000
Finger Mountain.....	51 08	126 37	5,000
Flat Mountain.....	51 13	126 45	6,000
Village Mountain.....	51 09	126 47	3,500
Noel Hill.....	51 07	127 38	1,000
Coast Nipple.....	51 11	127 40	1,350
Robinson, Mount.....	51 11	127 36	2,100
Lewis Range.....	51 14	127 19	3,800
Coast Peak.....	51 21	127 37	1,250
Cooper, Mount.....	51 03	126 53	3,000
Annesley, Mount.....	51 04	127 13	2,760
Denny Island.....	52 09	127 59	2,730
Buxton, Mount.....	51 36	128 00	3,430
Moore, Mount.....	52 20	126 52	4,960
Remarkable Cone.....	52 09	127 52	2,300
Hand, Mount.....	52 11	128 14	1,164
Chatfield Island.....	52 15	128 07	920
Lake Mountain.....	52 21	128 19	2,270
Stripe Mountain.....	52 26	128 25	2,020
Cone Mountain.....	52 40	128 38	2,400
Needle Peak, south.....	52 43	128 40	2,600
Needle Peak, north.....	52 48	128 42	2,800
Alice, Mount.....	52 46	128 58	1,150
Palmer Mountain.....	52 41	128 54	1,000
Estevan Island.....	53 05	129 38	1,700
Campania Island.....	53 05	129 23	2,000
Wimble-don Mountains.....	53 20	129 00	2,000-3,000
Gil, Mount.....	53 16	129 13	3,000
Promise Island.....	53 23	129 16	1,710
Pitt, Mount.....	53 24	129 20	3,000
Pocock, Mount.....	53 26	129 17	2,300
Noble Mountain.....	53 39	130 11	2,874
Farrant Island.....	53 20	129 26	1,700
Elwin Mountain, north.....	53 57	130 08	2,334
Elwin Mountain, south.....	53 56	130 02	2,557
Bareside Mountain.....	53 55	130 18	1,645
Spicer Island.....	53 45	130 22	827
Nubble Mountain.....	53 49	130 35	1,400

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
McCauley Island	53 40	130 15	1,160
Anchor, Mount.	53 52	130 15	1,981
Shields, Mount.	53 50	130 17	2,020
McGrath, Mount (Chatham Sound).	54 09	130 15	2,220
Oldfield, Mount.	54 17	130 15	2,300
Mission, Mount.	54 22	130 22	1,310
Kennedy Island	54 02	130 11	2,765
Deer Mound.	54 26	130 23	2,230
Prescott Island.	54 05	130 37	820
Basil Lump	54 30	130 21	2,060
Stephens Island.	54 07	130 37	1,340
Leading Peak	54 31	130 23	2,200
Ben Mountain.	54 32	130 22	2,460
Griffin, Mount.	54 32	130 29	1,410
McNeil, Mount.	54 35	130 14	4,300
Bonwick, Mount.	54 32	130 51	1,600
Thumb Peak.	54 33	130 54	2,500
Compton Island	54 39	130 25	950
Tomlinson, Mount.	55 02	129 57	3,385
Woods, Mount.	55 01	129 51	3,807
Francis, Mount.	55 08	130 49	5,041
Jauncey, Mount.	55 05	130 05	3,654
Washington Range.	55 08	130 01	4,041
Dent, Mount.	55 12	129 58	5,057
Huntingdon, Mount.	55 16	129 40	5,048
Newport Mountains, north.	55 24	129 55	5,538
Newport Mountains, south.	55 22	129 56	5,710
Tournay, Mount.	55 27	129 57	5,532
Clashmore, Mount.	55 29	129 54	5,502
Marshal, Mount.	55 31	129 59	4,500
George Mountains.	55 33	129 50	3,225
Campbell Mountains.	55 31	129 43	4,406
Chaloner Range.	55 30	129 34	4,681
Ashby Mountain, north.	55 39	129 54	5,173
Ashby Mountain, south.	55 36	129 54	5,485
Brown, Mount.	55 43	129 57	5,800
Guanton Mountains.	55 45	129 50	5,163
Colling Range.	55 50	130 00	3,000-4,000
Treble Mountain (Portland Canal).	55 53	129 50	4,000-5,000
D'Israeli Mountains.	56 05	129 55	7,000
Gladstone, Mount.	56 00	129 51	4,800
Johnson, Mount.	56 03	129 58	6,365
*Harbour Ridge, north.	54 48	130 40	1,719
Harbour Ridge, south.	54 48	130 40	1,465
Peabody Mountains.	55 20	130 10	4,000-5,000
Dome Peak.	55 25	130 11	6,500
Rousseau Range.	55 25	130 15	3,500-4,000
Adams, Mount.	55 42	130 17	7,600
Seward Mountains.	55 41	130 09	4,100
Lincoln Mountains.	55 56	130 08	5,625
Halleck Range.	55 35	130 15	3,500-4,500
Reverdy Mountains.	56 00	130 00	5,117
Dome Mountain (Portland Canal).	55 04	130 16	2,100
Stripe Mountain "	55 02	130 16	2,300
Gap Mountain "	54 59	130 19	3,400
Arm Mountain.	54 51	130 45	2,177
Harry Saddle.	54 49	130 50	2,088
Cone Mountain.	54 57	130 37	3,800
Quadra Mountain, south.	55 04	130 55	1,764
Quadra Mountain, north.	55 06	130 58	2,353
Shed Mountain.	54 55	130 41	2,620
Between Mountain.	55 04	131 28	1,526
Black Mountain.	55 17	131 25	1,883
Bush Mountain.	55 13	131 31	1,805
Loaf Ridge, north.	54 51	130 37	2,235
Loaf Ridge, south.	54 51	130 37	2,173
Lazaro Mountain.	54 52	131 22	1,767

* This and the following peaks under this heading (West Coast) are in the Yukon-Alaska territory, now (1901) in dispute between Canada and the United States.

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Janeville Mountain.....	55 10	131 31	2,619
Chenango Mountain.....	55 11	131 31	2,987
Backbone Mountain.....	55 10	131 02	2,525
Behm Mountain.....	55 12	131 00	2,867
Leadville Mountain.....	55 07	131 32	1,797
Mound Hill.....	55 14	131 15	1,956
Nakat Mountain.....	54 52	130 38	2,921
Notch Mountain.....	55 16	131 14	1,879
Achilles Mountain.....	55 21	131 34	3,027
Anvil Mountain.....	55 16	131 35	2,157
Davison Mountain.....	55 03	131 28	2,650
Tamgas Mountain.....	55 04	131 35	3,684
Tired Mountain.....	55 10	131 28	1,824
Agassiz Mountain.....	55 05	131 30	2,241
Spot Mountain.....	55 16	131 44	1,807
Dubuque Mountain.....	55 07	131 25	2,145
Spine Mountain.....	55 12	131 29	1,987
Purple Mountain.....	55 06	131 32	2,447
Flat Mountain.....	55 15	131 44	1,800
Red Mountain.....	55 15	131 33	2,404
Cone Mountain.....	55 12	131 30	2,718
Marr, Mount.....	55 35	131 58	2,447
High Mountain.....	55 22	131 48	2,540
Tyee, Mount.....	56 12	131 26	4,660
Plain Mountain.....	55 18	131 50	2,055
Kapho, Mount.....	56 16	131 56	4,589
Smooth Mountain.....	55 14	131 48	1,899
Black Crag.....	56 33	131 42	5,900
Sullivan Peak.....	55 22	131 48	2,142
Whipple, Mount.....	56 37	131 36	6,033
Snowy Mountain.....	56 25	131 24	5,577
Kahkate Mountain.....	56 40	131 42	4,060
Iskoot Mountain.....	56 41	131 41	4,799
Turner, Mount.....	56 47	131 32	6,600
McGrath, Mount (Stikine River).....	56 46	131 31	6,179
Elbow Mountain.....	56 56	131 50	4,233
Glacier Mountain.....	56 47	131 50	4,769
Laura, Mount.....	56 50	131 43	7,527
Sugar Loaf Mountain.....	56 50	131 41	5,259
Big Mountain.....	56 54	131 35	8,750
Harold, Mount (Stikine River).....	57 00	131 41	3,428
Snow Cap Mountain.....	56 54	131 52	4,950
Boundary Mountain.....	57 04	131 51	4,806
Robertson, Mount.....	56 54	131 37	7,950
Eagle Crag.....	56 55	131 42	5,705
Wrangell Peak.....	56 33	132 19	3,744
Thunder Mountain.....	56 48	132 38	3,080
Simpson Peak.....	56 51	132 31	5,271
Saw Peak.....	56 56	132 35	5,124
Sam Peak.....	56 35	132 39	2,583
Pirate Peak.....	56 58	132 45	3,289
Dupont Peak.....	56 54	132 31	5,294
Patterson Peak, north.....	56 58	132 41	4,812
Patterson Peak, south.....	56 58	132 41	4,746
House Peak.....	56 56	132 34	6,001
Cosmos Range.....	57 00	132 43	4,723
Kates Needle.....	57 03	132 02	9,560
Hump Knoll.....	57 58	232 50	3,116
Devils Thumb.....	57 05	132 21	9,105
Twin Peaks.....	56 57	132 32	6,557
Waterfall Peak.....	57 02	132 46	3,403
Footo Peak.....	57 04	132 45	5,176
Admiral Range.....	57 03	132 44	5,060
Bainbridge Peak.....	57 06	132 59	3,407
Henry Peak.....	57 08	132 56	3,386
Gray Peak.....	57 10	132 51	4,694
Preble Peak.....	57 06	132 42	5,028
Agassiz Peak.....	57 12	132 49	5,533
Dana Peak.....	57 08	132 54	4,260
Maury Peak.....	57 15	132 53	5,630

BRITISH COLUMBIA	Lat.	Long.	Elevation
West Coast			
Franklyn Peaks, north.....	57 08	133 03	4,314
Franklin Peaks, south.....	57 08	133 03	3,909
Grant Peak.....	57 12	133 04	5,291
Ericsson Peak.....	57 09	133 02	4,296
Lincoln Peak.....	57 15	133 07	4,894
Garfield Peak.....	57 16	133 10	3,929
Washington Peak.....	57 16	133 20	3,557
Hancock Peak.....	57 04	133 00	4,536
Rodman Peak.....	57 06	131 57	3,140
Dahlgren Peak.....	57 14	133 22	3,569
Sumdum, Mount.....	57 48	133 25	6,690
Tent Mountain.....	57 55	133 08	7,100
Snow Tower.....	58 10	133 24	6,550
Everett Peak.....	58 01	133 54	3,748
Arthur Peak.....	58 03	133 58	3,588
Villard, Mount.....	59 16	135 17	5,000
Chilkoot Pass.....	59 42	135 13	3,502
White Pass.....	59 36	135 07	2,897
Carmack, Mount.....	59 34	135 15	6,900
Cleveland, Mount.....	59 49	135 45	6,000
Emmons, Mount.....	59 33	135 23	5,750
Newell, Mount, or Parsons Peak.....	59 28	135 15	5,545
Ripinski, Mount.....	59 21	135 30	4,060
Emmerich, Mount.....	59 13	135 41	6,800
Snow Dome.....	58 59	135 52	3,300
Glave, Mount.....	59 36	136 19	6,150
Chilkat Pass.....	60 09	136 04	4,950
Snow Dome.....	58 58	135 54	5,990
Black Mountain.....	59 07	136 06	5,150
Chilkat Peak.....	59 30	126 08	6,380
Wright, Mount.....	58 49	136 02	4,915
Case, Mount.....	58 48	135 49	5,510
Saddle Mountain.....	58 58	135 33	5,890
Young, Mount.....	58 52	135 34	5,720
Pyramid Peak.....	58 52	136 17	4,070
La Perouse, Mount.....	58 34	137 05	10,758
D'Agelet, Mount.....	58 36	137 11	9,500
Crillon, Mount.....	58 40	137 10	12,750
Lituya, Mount.....	58 48	137 27	11,743
Unana, Mount.....	59 43	139 13	6,500
Ruhamah, Mount.....	59 50	139 03	8,445
Pinta, Mount.....	59 56	138 48	8,900
Hoorts, Mount.....	59 45	139 31	2,077
Hendrickson, Mount.....	59 49	139 28	4,550
Malaspina.....			14,589
Tebenkof.....			14,000
Vasilief.....			13,946
Russian chart.....	58 55	137 32	10,708
Tebenkof.....			13,864
Coast Survey chart, 1895.....			15,500
Int. Bdy. Com., Canada.....			15,287
Coast Survey chart, 1900.....			15,292
Cariboo District			
Flat Top Mountain.....	53 05	121 09	7,400
Palmer Mountains, north.....	53 01	121 21	6,500
Palmer Mountains, south.....	52 59	121 19	6,700
Howley Mountain.....	53 00	121 25	6,300
Greenberry, Mount.....	53 05	121 30	6,000
Murray, Mount.....	53 06	121 31	6,000
Valley Mountain.....	53 04	121 35	5,000
Two Sisters Mountain.....	53 11	121 36	6,800
Island Mountain.....	53 05	121 41	5,800
Burns Mountain.....	53 01	121 41	5,800
Tom, Mount.....	53 07	121 46	5,700
Wiley, Mount.....	53 08	121 42	5,700
Dragon Mountain.....	53 04	121 52	5,600

BRITISH COLUMBIA	Lat.	Long.	Elevation
Cariboo District			
Anderson, Mount	53 00	121 50	5,400
Sovereign Mountain	52 58	121 56	5,400
Campbell Mountain	52 58	121 51	5,200
Agnes, Mount	52 58	121 36	6,200
Antler Mountain	52 57	121 30	5,700
Burdett, Mount	52 56	121 33	6,000
Meridian Mountain	52 55	121 33	6,400
Black Stuart Mountain	52 52	121 11	6,000
Kimball Mountain	52 53	121 06	6,600
Round Top Mountain	52 53	121 22	6,700
Yanks Peak	52 48	121 29	6,140
Cariboo Mountain	52 49	121 42	6,300
Nowell, Mount	52 47	121 57	4,200
Mitchell, Mount	52 47	120 47	6,800
Watt, Mount	52 39	120 49	8,500
Ogden Peak	52 36	120 52	7,500
Three Sisters Mountain	52 42	121 02	6,900
Barker Mountain	52 45	121 15	6,500
Stevenson, Mount	52 37	121 10	7,100
Brew, Mount	52 35	121 17	6,600
Badger Peak	52 38	121 20	6,500
Duck Creek Mountain	52 43	121 39	5,000
Kangaroo Mountain	52 42	121 45	4,800
Slide Mountain	52 39	121 51	3,800
Forks Mountain	52 36	121 45	3,600
Guy Mountain	52 27	121 57	3,500
Quesnel Lake	52 30	121 00	2,250
Cariboo Lake	52 45	121 25	2,550
Central Interior			
Choelquoit Lake	51 42	124 15	3,850
Tatla Lake	52 00	124 25	2,980
Itcha Mountains	52 40	125 00	6,000-7,000
Ilgachuz Mountains	52 40	125 20	6,000-7,000
Tsitsutl Mountain	52 40	125 50	6,000
Tetachuck Lake	53 20	125 50	2,770
Fawnie Mountains	53 10	125 00	6,000
Kuyakuz or McMillan Mountains	53 10	124 40	5,000
Kuyakuz Lake	53 08	124 40	3,518
Tatelukuz Lake	53 15	124 45	3,049
Chestatta Lake	53 42	125 15	2,800
Ootsabunkut Lake	53 40	126 00	2,740
François Lake	51 00	125 30	2,375
Fraser Lake	54 03	124 40	2,225
Tsawhuz Mountain	53 40	122 58	3,240
Nechacco River, at confluence of Stuart River	54 00	123 35	2,065
Nadina Mountain	54 01	126 53	5,255
Porte d'Enfer, summit	54 12	124 40	3,700
Stuart Lake	54 30	125 00	2,200
Babine Lake	54 45	126 00	2,222
Tacla Lake	55 30	126 00	2,270
Nakatl, Mount, or Pope's Cradle	54 30	124 36	4,800
Nacus Mountain	55 14	125 50	7,000
Matzehtzel Mountain	54 40	126 17	5,000
Necaltzul Mountain	55 15	127 00	8,600
Blunt Mountain	55 14	127 12	4,000
Rochers Deboulés Range	55 11	127 40	6,680
Bear Lake (Horetzky)	56 00	126 45	2,604
Kitkargasse village	55 33	127 35	1,325
Babine Range	55 30	127 30	7,000-8,000
Atna Mountains	55 40	127 20	9,000
Horetzky Mountain	55 38	126 53	5,272
Fire-pan Mountains	55 30	126 30	7,000-8,000
Kotsine Pass	55 45	126 45	3,600
Atna Pass	55 47	127 15	6,000
Suskwa Pass	55 20	126 50	3,772
Hogem Pass	55 38	125 54	3,438
Carp Lake	54 50	123 25	2,747

BRITISH COLUMBIA	Lat.	Long.	Elevation
Central Interior			
McLeod Lake.....	54 55	123 00	2,250
Summit Lake.....	54 15	122 40	2,300
Arctic-Pacific divide, Summit Lake to Salmon River.....	54 14	122 45	2,500
Arctic-Pacific divide, McLeod and St. James trail.....	54 45	123 30	2,820
Giscome portage, summit.....	54 10	122 35	2,160
Bear Mountain.....	53 59	122 08	3,500
Bear Lake.....	53 55	122 00	2,523
Smoky River Pass.....	54 08	120 12	5,300
Paranip and Misinchinca rivers, confluence of.....	55 07	123 03	2,170
Pine Pass.....	55 24	122 37	2,850
Canoe Mountain.....	55 30	122 38	5,500
Hunter Peak.....	55 10	122 10	5,550
Pine River at Middle forks.....	55 37	121 42	1,930
Pine River at Lower forks.....	55 44	121 18	1,837
Moberly Lake.....	55 52	121 45	2,050
Selwyn, Mount.....	56 00	123 45	6,220
Table Mountain.....	55 38	123 30	3,500
Finlay and Omineca District			
Finlay River—			
At Fort Grahame.....	56 36	124 43	2,215
At Deserter cañon.....	56 57	125 03	2,375
At mouth of Tochieca River.....	57 25	125 48	2,530
Finlay, Mount.....	57 34	126 18	5,200
Daghaodeya, Lake.....	56 20	125 05	2,700
Tchudi-toho, Lake.....	56 35	125 08	2,800
Akayili, Mount.....	56 16	125 16	7,100
Meikle, Mount.....	56 09	125 35	9,000
Tchukwaziti Range.....	56 20	126 00	7,000-8,500
Tchutazi, Lake.....	56 17	125 45	3,750
Tenakihi Range.....	56 13	125 45	7,000-8,500
White, Mount.....	56 12	126 07	9,800
Carruthers, Mount.....	56 22	126 10	10,100
Matawadilata Range.....	56 05	126 00	9,700
Omineca Lake.....	56 11	126 40	4,100
Sitchi-ada, Mount.....	56 06	126 33	7,500
Klote, Lake.....	55 58	126 12	4,300
Connolly and Grahame trail, summit (Arctic-Pacific divide).....	56 05	126 40	5,400
Same trail, divide between Omineca and Tchutazi rivers.....	56 10	126 10	5,100
Tcheta-tchudi, Lake.....	56 22	125 52	3,900
Hogem Pass, summit.....	55 40	125 52	3,438
Old Hogem { Carruthers.....	55 45	125 26	2,600
{ Horetzky.....			2,570
Germansen.....	55 47	124 40	2,550
Cassiar District			
Stikine River, at mouth of Telegraph Creek.....	57 55	131 10	540
Kaketsu, Mount.....	58 10	132 00	5,000
Egnell, Mount.....	58 20	131 56	5,400
Heart Mountain.....	56 38	132 05	5,100
Crater Mountain.....	59 15	132 10	6,000
Disella Lake.....	59 20	131 45	3,805
Hotailuh Mountain.....	58 20	130 15	5,700
McLeod, Mount.....	58 35	130 10	6,300
Dease Lake.....	58 40	130 05	2,660
Anvil Mountain.....	59 00	129 55	7,500
Sylvester Peak.....	59 10	129 15	7,000
Sheep Mountain.....	59 08	129 06	8,100
Liard and Dease rivers, confluence of.....	59 56	128 34	2,100
Atlin District			
O'Keefe Mountain.....	59 08	133 14	5,500
Sloko Mountain.....	59 09	133 45	5,500
Merlin Mountain.....	59 13	133 02	5,500

BRITISH COLUMBIA	Lat.	Long.	Elevation
Atlin District			
McCallum Mountains, east	59 15	133 33	4,500
McCallum Mountains, west	59 15	133 41	5,700
Mussen Mountain	59 14	134 02	5,000
McMaster Mountain	59 20	133 12	5,000
Johnson Range	59 26	133 26	6,200
Birch Mountains	59 26	133 49	6,700
Atlin Mountain	59 33	133 52	5,500
Bee Peak	59 33	134 09	5,000
Lina Range	59 34	133 37	5,650
Taku Mountains	59 40	133 55	5,000
Mungo Mountain	59 39	133 35	5,500
Barham Peak	59 46	133 22	7,000
McIntosh Mountain	59 50	133 25	4,800
Brown Dome	59 49	132 58	6,430
Boofus Mountain	59 56	133 02	5,015
Halero Peak	59 56	133 42	5,700
Black Mountain	59 57	133 43	5,700
Minto, Mount.	59 56	133 53	6,950
Pine City	59 36	133 34	2,825
Surprise Lake	59 40	133 15	3,025
Gladys Lake	59 54	133 00	2,915
Tagish Lake	59 45	134 15	2,161
Atlin Lake	59 30	133 45	2,200
Edgar Lake	59 25	134 10	2,800
Nelson Lake	59 20	134 12	2,900
Pike Lake	59 15	133 25	2,500
Teslin Lake	60 00	132 05	2,400
Queen Charlotte Islands			
'The highest and most rugged part of the mountain axis of the islands is found in latitude 52° 30', where many peaks rise to altitudes probably surpassing'	52 30	132 00	5,000
'High mountains are again found opposite Burnaby Island, but towards Cape St. James the land gradually falls. About Houston Stewart Channel none of the summits probably surpass'	52 08	131 12	2,000
'About the heads of Camshewa and Skidegate inlets and on Louise Island the land is very rugged with many summits exceeding'	53 00	132 00	3,000-4,000
'The mountains about the head of Masset Inlet seldom surpass'	53 35	132 30	1,000
Huxley Island	52 25	131 30	1,500
Lyll Island, 'hills in the centre of the island probably exceed'	52 40	131 45	1,000
Red Top Mountain, about			3,000
Kunga Island	52 46	131 40	1,500
Carpenter Bay—'Thickly wooded mountains rise everywhere from the water's edge to heights frequently exceeding 1,000 feet, but rarely, if ever, more than'	52 12	131 10	2,000
Skincuttle Inlet—'The mountains at the head of Tangle Cove are steep and probably reach'	52 18	131 25	3,000
Bigsby Inlet 'Is a gloomy chasm surrounded by mountains which sometimes attain, in the first instance, a height of 3,000 feet. Further back, especially to the southward and westward, massive summits of bare granite rise to'	52 38	131 55	5,000
Klun-kwoi Bay, 'the highest peaks probably exceed'	52 42	132 00	5,000
Table Mountain	53 12	131 55	1,720
San Christoval Mountains	52 30	132 00	4,000
Burnaby Island	52 22	131 27	1,500

ST. LAWRENCE RIVER FROM PRESCOTT TO MONTREAL

Monthly mean of water levels above or below the zero of gauge at Ogdensburg and above mitre sills of the several locks at the places named.

Elevations of the several planes of reference, in feet, above mean tide at New York :—

Ogdensburg.....	244.25	Cornwall, new lock 15	138.20
Galops, old lock 27....	234.07	Valleyfield, old lock 14.....	141.44
Galops, old lock 25.....	217.44	Melocheville, old lock 6	59.75
Morrisburg, old lock 23.....	204.74	Lachine, old lock 5.....	57.31
Farrans Point, old lock 22.....	192.69	Montreal, old lock 1.....	6.02
Cornwall, old lock 15.....	143.78		

Month	Ogdensburg	Galops Canal		Morrisburg, lock 23	Farran's Point, lock 22	Cornwall, lock 15	Valleyfield, lock 14	Melocheville, lock 6	Lachine, lock 5	Montreal, lock 1
		Lock 27	Lock 25							
1870	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
January.....	1.69	10.75	12.25	10.42	8.04	Old lock 17.08	12.83	12.75	11.75	33.08
February.....	1.73					25.42	12.98	14.75	11.50	32.17
March.....	1.53	10.50	12.25	10.50	7.92	22.83	12.36	14.42	10.92	29.83
April.....	2.72	11.50	14.25	11.83	9.42	13.25	13.31	14.50	14.75	30.25
May.....	3.24	12.67	15.67	12.54	10.83	12.42	13.42	14.67	14.92	24.42
June.....	2.97	12.42	15.33	12.33	10.75	12.08	13.28	13.08	12.58	20.67
July.....	2.73	12.25	15.17	12.08	10.50	11.92	13.17	12.50	11.92	19.33
August.....	2.40	11.75	14.08	11.42	10.33	11.67	12.94	11.75	11.42	18.75
September.....	1.56	10.67	13.58	10.75	9.92	11.17	12.54	10.92	10.83	18.08
October.....	1.24	10.50	13.00	10.50	9.50	10.92	12.44	10.42	10.67	17.67
November.....	1.01	10.33	12.25	10.17	9.25	10.58	12.28		11.00	18.50
December.....	*0.87	10.08	12.08	10.04	8.75	11.00	12.19	10.92	10.75	18.75
1895						Newlock				
January.....		8.00	8.83	6.92	8.33	15.83	11.50	12.75	10.75	28.92
February.....		7.17	7.50	7.42	7.25	14.17	10.57	15.67	9.08	24.67
March.....		7.42	8.00	7.92	7.33	14.08	10.68	13.17	8.58	23.08
April.....		8.50	9.92	7.50	8.33	(15.69)	11.95	12.17	11.75	25.33
May.....	- 0.50	8.83	10.33	7.75	8.50	15.25	11.46	12.33	12.33	20.50
June.....	- 0.67	8.67	10.17	7.58	8.33	15.08	11.28	11.17	11.33	18.58
July.....	- 0.92	8.33	9.67	7.17	8.08	(14.70)	10.96	9.67	9.83	15.83
August.....	- 1.09	8.25	9.42	6.92	7.92	14.67	10.98	9.17	9.50	15.33
September.....	- 1.54	7.92	8.83	6.42	7.50	14.33	10.54	8.67	8.92	14.50
October.....	*- 1.75	7.67	8.33	5.92	7.17	14.04	10.39	8.58	8.67	13.83
November.....		7.42	7.83	5.50	6.67	13.92	10.17	8.33	8.50	13.83
December.....		7.58	7.83	5.92	7.00	14.33	10.47	9.67	9.67	21.08

*No record for the last seven days of the month. *

NOTE.—Interpolated monthly means are indicated by parentheses. The interpolation (April and July, 1895) at Cornwall was made by comparing with the record at Valleyfield and assuming that the slope between the two points was practically the same as for the preceding and following months.

WATER LEVELS OF THE ST. LAWRENCE AND GREAT LAKES

RIVER ST. LAWRENCE AT MONTREAL

Depth of water in feet and decimals in the Montreal Harbour over metre sill of old lower lock of the Lachine Canal, deduced from gougings taken at noon each day. Elevation of the metre sill is 0.02 feet above mean tide at New York.

Levels for the period, 1860-1895, from the Report of U. S. Deep Waterways Commission; for the period, 1895-1900, from information furnished by Mr. Ernest Marcou, Superintending Engineer, Quebec Canals.

Year.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860	32.75	28.83	28.75	22.83	21.08	20.50	19.42	18.83	18.50	18.75	19.50	24.00	22.98
1861	33.17	30.58	30.92	30.50	26.25	23.67	21.58	20.08	19.08	19.08	20.67	21.00	24.72
1862	33.58	31.58	31.08	30.17	24.83	21.50	19.75	19.25	19.42	19.08	19.42	21.58	24.27
1863	28.50	30.00	28.42	30.17	23.58	21.25	19.75	18.83	18.25	18.25	19.08	22.08	23.18
1864	33.42	31.00	29.58	25.50	25.42	21.42	19.25	18.33	18.00	18.83	19.67	22.17	23.55
1865	32.92	31.17	31.17	27.33	24.08	21.08	20.33	19.17	17.75	17.00	16.75	19.83	23.22
1866	29.25	26.92	27.00	26.75	21.83	21.67	19.75	18.83	19.50	18.83	20.08	22.17	23.72
1867	33.92	32.33	31.17	30.08	25.00	23.83	20.83	19.00	18.00	17.58	16.75	25.58	24.51
1868	27.67	25.17	27.17	24.17	20.92	20.00	17.92	17.17	16.92	16.42	17.08	23.83	21.20
1869	28.58	26.17	25.58	29.92	25.25	21.83	20.42	19.75	20.00	20.25	18.50	25.67	23.49
1870	33.08	32.17	29.83	30.25	24.42	20.67	19.33	18.75	18.08	17.67	18.50	18.75	23.46
1871	31.33	29.17	30.17	23.33	23.42	20.50	18.92	17.83	17.00	16.50	16.42	27.50	22.67
1872	27.25	25.83	25.75	27.75	21.17	20.17	17.67	16.75	16.83	17.58	17.17	19.75	21.10
1873	25.92	24.75	25.25	31.42	24.17	22.25	19.67	18.33	17.25	18.17	18.50	25.75	22.62
1874	33.58	31.00	30.50	28.25	22.17	23.25	20.58	18.42	17.25	16.83	16.42	21.50	23.31
1875	27.83	24.25	25.75	28.25	22.75	20.17	18.08	17.50	16.83	16.92	16.75	28.83	21.99
1876	28.00	26.83	28.58	30.83	27.42	24.33	21.25	18.83	18.08	17.83	18.17	26.17	23.86
1877	30.33	28.92	28.33	26.08	19.92	18.50	18.08	17.50	16.67	16.50	16.92	17.58	21.28
1878	26.92	30.83	26.58	19.75	20.50	19.08	18.25	18.33	17.83	18.33	19.50	20.50	21.37
1879	23.92	30.50	28.83	28.50	24.00	20.75	18.75	17.67	17.00	16.50	16.08	20.92	21.95
1880	30.33	27.92	27.08	25.83	23.08	21.42	18.92	17.58	16.83	16.67	18.08	22.50	22.19
1881	27.25	25.08	26.33	23.50	21.33	19.25	17.75	17.00	16.17	15.75	16.08	16.25	20.15
1882	25.83	29.92	28.67	22.17	21.83	22.58	20.75	19.08	18.50	17.50	17.25	22.50	22.22
1883	26.33	25.00	25.75	28.42	21.58	22.17	21.42	19.50	18.17	17.92	18.42	23.08	22.31
1884	34.17	31.42	31.08	30.75	24.08	20.92	19.25	18.75	17.67	17.58	17.92	22.08	23.81
1885	31.58	28.00	26.50	30.92	24.50	21.75	20.67	18.83	18.08	19.33	18.08	21.75	23.33
1886	34.42	31.75	29.33	31.67	23.42	21.08	19.83	18.83	18.00	18.00	18.08	25.58	24.17
1887	30.08	28.83	29.50	31.08	25.58	21.08	19.25	18.08	16.08	16.58	16.17	18.00	22.69
1888	29.67	25.67	26.58	29.50	22.92	21.83	19.00	17.50	17.17	16.75	18.00	20.33	22.08
1889	28.33	29.33	27.67	24.67	21.17	22.08	20.08	18.50	17.08	16.83	16.33	17.58	21.64
1890	29.67	32.92	31.42	26.42	23.58	23.75	20.83	19.00	19.00	18.00	17.92	26.58	24.09
1891	28.67	27.17	29.33	28.25	22.92	19.50	18.25	18.00	17.00	15.92	15.67	17.50	21.52
1892	24.17	28.50	25.75	23.33	18.58	19.42	19.33	18.25	17.08	16.58	17.08	20.17	20.69
1893	29.58	25.92	26.33	27.42	23.75	22.50	19.58	18.08	17.83	16.83	16.50	26.25	22.55
1894	30.83	26.92	29.00	23.83	22.00	20.50	19.17	17.00	16.17	16.58	16.83	17.33	21.34
1895	28.92	24.67	23.08	25.33	20.50	18.58	15.83	15.33	14.50	13.83	13.83	21.08	19.62
1896	27.77	27.27	26.04	30.45	20.52	18.10	16.42	15.54	14.76	14.76	16.00	20.09	20.64
1897	27.33	23.31	23.78	24.12	22.21	19.43	17.52	16.78	16.06	14.44	14.77	17.68	19.79
1898	29.60	27.72	30.06	20.05	18.98	18.66	17.51	16.34	15.59	16.00	16.50	20.25	20.60
1899	30.34	26.06	26.69	28.55	22.71	19.53	17.72	16.07	14.95	15.40	15.31	15.56	20.74
1900	27.11	27.89	26.76	28.23	19.89	18.41	18.01	17.06	15.82	16.12	16.33	21.29	21.08
Mean (41 years)	29.61	28.26	27.98	27.28	22.81	20.95	19.19	18.05	17.34	17.18	17.40	21.67	22.31
Mean (30 years, 1871-1900)	28.91	27.76	27.55	27.02	20.56	20.72	18.95	17.74	16.90	16.75	16.86	21.39	21.91

LAKE ONTARIO AT TORONTO

Monthly mean of water levels above the zero of the Harbour Commissioner's gauge, the elevation of which is 244.04 feet above mean tide at New York.*

Table compiled by Mr. C. W. Postlethwaite, Harbour Master, Toronto.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1854.....	1.67	1.75	1.83	2.00	2.54	2.96	2.83	2.25	1.83	1.42	.87	.75	1.89
1855.....	0.67	.83	.42	.50	1.33	1.67	2.21	2.33	2.17	2.04	1.83	1.92	1.49
1856.....	1.67	1.50	1.42	1.67	2.42	2.58	2.50	2.96	1.75	1.37	.87	.58	1.77
1857.....	.33	.42	.96	1.46	2.46	3.00	3.50	3.42	3.25	2.75	2.75	3.08	2.28
1858.....	2.58	2.50	2.00	2.33	2.54	3.25	3.54	3.37	2.92	2.42	2.08	1.75	2.61
1859.....	1.75	1.79	1.92	2.83	3.46	3.46	3.25	2.96	2.33	1.83	1.29	1.42	2.35
1860.....	1.42	1.42	1.33	1.42	1.67	1.87	1.92	1.87	1.50	1.25	1.25	1.29	1.52
1861.....	1.17	1.08	1.54	2.08	2.79	3.12	3.00	2.83	2.33	2.46	2.42	2.25	2.26
1862.....	1.75	1.54	1.67	1.58	3.42	3.33	3.08	2.75	2.29	1.75	1.33	1.00	2.13
1863.....	1.00	1.17	1.46	2.25	2.75	2.75	2.50	2.08	1.58	1.08	.96	1.00	1.71
1864.....	.71	.71	.75	1.46	2.42	2.79	2.29	1.92	1.50	1.00	1.17	1.33	1.50
1865.....	1.12	.79	.92	1.96	2.25	2.25	1.87	1.50	1.08	.67	.33	.17	1.24
1866.....	-.08	-.33	-.12	+.42	.92	1.42	1.50	1.33	1.17	1.17	1.04	1.42	.82
1867.....	1.42	1.37	1.50	1.87	2.75	3.12	2.83	2.33	1.50	.92	.25	-.08	1.65
1868.....	-.33	-.62	-.29	+.33	.75	1.25	1.25	.92	.67	.25	.21	.17	.38
1869.....	.08	.00	.21	.83	1.50	1.92	2.12	2.08	2.00	1.67	1.37	1.46	1.27
1870.....	1.96	2.08	2.08	3.12	3.83	3.50	3.12	2.75	2.17	1.79	1.33	1.21	2.41
1871.....	1.00	1.50	1.08	1.50	1.92	1.79	1.62	1.33	.83	.42	-.08	-.33	1.05
1872.....	-.42	-.75	-.96	-.50	-.17	+.25	.17	.00	-.25	-.42	-.58	-.83	-.38
1873.....	-.87	-.96	-.75	+.04	1.75	1.79	1.67	1.58	1.08	1.50	.50	.58	.74
1874.....	1.25	1.58	1.83	2.00	2.17	2.25	2.21	1.92	1.42	.87	.33	.00	1.49
1875.....	-.37	-.71	-.50	+.08	.62	.83	.83	.75	.42	.17	.00	-.08	.17
1876.....	.25	.83	1.62	2.33	2.92	3.17	3.17	2.75	2.21	1.75	1.50	1.08	1.97
1877.....	.79	.46	.58	1.25	1.42	1.33	1.33	1.08	.67	.33	.08	.21	.79
1878.....	.33	.50	1.08	1.46	1.79	1.83	1.75	1.67	1.58	1.17	1.00	1.58	1.31
1879.....	1.50	1.17	1.17	1.46	1.71	1.58	1.33	.92	.60	.17	-.29	-.29	.91
1880.....	.17	.42	.75	.92	1.25	1.50	1.37	1.12	.71	.25	.21	.00	.72
1881.....	-.42	-.29	+.17	.62	.92	1.17	1.08	.83	.42	.00	-.17	-.12	.35
1882.....	.33	.58	1.25	1.50	1.79	2.37	2.25	2.04	1.67	1.17	.71	.33	1.33
1883.....	.08	.08	.33	.92	1.83	2.42	2.75	2.62	2.25	2.00	1.50	1.42	1.52
1884.....	1.29	1.50	2.12	2.92	3.21	3.08	2.83	2.62	2.17	1.83	1.42	1.00	2.17
1885.....	.92	.83	.58	1.04	2.17	2.33	2.54	2.46	2.29	2.12	2.17	2.17	1.80
1886.....	2.50	2.50	2.54	3.25	3.67	3.42	3.08	2.54	2.17	1.79	1.42	1.42	2.52
1887.....	1.25	1.75	2.17	2.54	3.08	3.17	2.83	2.42	1.75	1.37	.79	.67	.77
1888.....	.46	.25	.42	.92	1.25	1.29	1.25	1.17	.92	.58	.42	.33	.98
1889.....	.42	.67	.67	1.00	1.17	1.42	1.75	1.50	1.00	.42	.08	.50	.88
1890.....	1.00	1.46	1.75	2.00	2.33	2.92	2.87	2.37	2.00	1.71	1.50	1.33	1.94
1891.....	1.04	1.08	1.58	2.21	2.21	1.83	1.50	1.00	.67	.08	-.62	-.79	.98
1892.....	-.58	-.79	-.75	-.33	.00	.58	1.00	1.08	.87	.46	.08	.00	.14
1893.....	-.37	-.46	-.17	+.50	1.67	2.17	1.83	1.37	1.12	.58	.17	.04	.70
1894.....	-.25	.46	.67	.79	1.00	1.46	1.33	.83	.37	-.08	-.25	-.58	+.52
1895.....	-.83	-1.08	-1.03	-.53	-.27	-.38	-.71	-.97	-1.20	-1.67	-1.89	-1.75	-1.02
1896.....	-1.50	-1.25	-1.17	-.17	.17	.08	-.17	-.37	-.79	-1.04	-1.21	-1.33	-.73
1897.....	-1.46	-1.42	-.71	-.25	+.29	.50	.50	.42	.00	-.58	-.83	-.67	-.35
1898.....	-.46	-.08	+.33	.67	.92	.96	.79	.37	.00	-.12	-.21	-.33	+.24
1899.....	-.12	-.21	+.04	.62	.96	1.04	.92	.50	-.04	-.33	-.54	-.67	+.18
1900.....	-.54	-.37	.00	+.58	.96	.87	.67	.50	.00	-.29	-.54	-.35	+.12
Mean (47 years)	.55	.60	.77	1.32	1.80	1.98	1.88	1.64	1.16	.90	.64	.61	1.16
Mean (41 years, 1860-1900)...	.42	.45	.68	1.25	1.70	1.86	1.75	1.42	.98	.74	.50	.47	1.02
Mean (30 years, 1871-1900)...	.23	.31	.56	1.14	1.49	1.63	1.55	1.20	.75	.54	.22	.27	.83

* This elevation is based on a comparison with the gauge readings at Oswego from May 11 to Aug. 31, 1875. During this period the Oswego gauge was read three times a day by the engineers of the U. S. Lake Survey. As the Toronto gauge is usually read to the nearest inch, only, the concordance of the differences obtained—which show a maximum difference of about one-half inch, comparing month by month—indicates the substantial accuracy of the result thus obtained. The means for the period, 1860 to 1900, show the Toronto gauge to be 1.03 ft. higher, and for the period, 1871 to 1900, 1.03 ft. higher than the Oswego gauge. The elevations of the Toronto gauge deduced from these comparisons are 244.21 and 244.16, respectively. A comparison of the yearly means, year by year, however, shows maximum differences that invalidate these results.

LAKE ONTARIO AT OSWEGO, N. Y.

Monthly mean of water levels above the zero of the United States Engineer gauge. Elevation of zero above mean tide at New York, is 243.13 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860..	2.46	2.60	2.65	2.68	2.91	3.45	3.70	3.14	2.74	2.55	2.63	2.61	2.84
1861..	2.32	2.44	2.89	3.11	4.06	4.42	4.20	3.95	3.48	3.69	3.70	3.49	3.48
1862..	2.99	2.57	3.06	3.96	4.76	4.50	4.60	4.14	3.51	2.96	2.61	2.50	3.51
1863..	2.65	2.71	2.79	3.51	3.91	4.06	3.65	3.19	2.81	2.62	2.44	2.45	3.07
1864..	2.21	2.05	2.14	2.71	3.70	4.00	3.68	3.22	2.69	2.46	2.43	2.53	2.82
1865..	2.96	3.11	3.26	3.34	3.50	3.54	3.39	2.78	2.17	1.95	1.70	1.54	2.77
1866..	1.34	1.35	1.36	1.84	1.90	1.80	2.72	2.62	2.53	2.40	2.16	2.08	2.01
1867..	1.83	1.80	2.50	3.40	4.09	4.36	3.99	3.36	2.86	2.21	1.47	.71	2.72
1868..	.39	.49	.76	1.40	2.00	2.42	2.30	2.01	1.82	1.23	1.08	1.25	1.43
1869..	1.10	1.22	1.44	1.97	2.63	2.85	3.17	3.23	3.05	2.96	2.56	2.73	2.41
1870..	3.14	3.29	3.20	4.23	4.83	4.51	4.19	3.85	3.16	2.83	2.26	2.01	3.47
1871..	1.94	1.77	1.98	2.58	3.00	2.94	2.78	2.34	2.00	1.50	1.09	.78	2.04
1872..	.61	.39	.23	.72	.84	1.17	1.23	1.07	.78	.62	.57	.23	.71
1873..	.19	.26	.38	2.34	2.88	2.80	2.76	2.48	2.06	1.61	1.48	1.67	1.74
1874..	2.23	2.63	3.18	3.07	3.05	3.14	3.09	2.86	2.22	1.82	1.25	.91	2.45
1875..	.61	.26	.52	1.32	1.59	1.75	1.78	1.64	1.43	1.15	.96	.78	1.15
1876..	1.19	1.85	2.40	3.38	3.96	4.18	4.25	3.79	3.18	2.84	2.48	2.30	2.98
1877..	1.77	1.50	1.65	2.34	2.41	2.31	2.35	2.08	1.65	1.22	1.13	1.26	1.81
1878..	1.36	1.57	2.27	2.52	2.86	2.85	2.81	2.73	(2.47)	2.21	2.09	2.90	2.39
1879..	2.69	2.33	2.18	2.59	2.68	2.71	2.55	2.20	1.78	1.34	.95	.98	2.08
1880..	1.20	1.48	1.82	2.00	2.15	2.39	2.40	1.97	1.60	1.19	1.15	.98	1.69
1881..	.62	.61	1.27	1.69	1.87	2.09	2.16	1.84	1.28	1.06	1.06	1.06	1.38
1882..	1.61	1.78	2.38	2.71	2.90	3.41	3.40	3.07	2.69	2.18	1.76	1.47	2.45
1883..	1.20	1.26	1.50	2.02	2.67	3.37	3.90	3.72	3.24	2.80	2.57	2.43	2.56
1884..	2.39	2.76	3.44	4.05	4.07	3.97	3.76	3.53	3.10	2.68	2.18	2.03	3.16
1885..	2.02	1.75	1.47	2.15	2.95	3.32	3.46	3.31	3.09	2.90	2.95	3.12	2.71
1886..	3.48	3.55	3.69	4.31	4.52	4.32	3.92	3.48	3.12	2.83	2.39	2.30	3.49
1887..	2.05	2.80	3.31	3.52	4.08	4.04	3.76	3.25	2.64	2.25	1.90	1.63	2.94
1888..	1.32	1.18	1.42	2.05	2.12	2.16	2.22	2.12	1.73	1.37	1.30	1.29	1.69
1889..	1.50	1.64	1.81	2.05	2.20	2.51	2.70	2.45	1.89	1.45	1.05	1.62	1.91
1890..	2.13	2.48	2.81	3.05	3.41	4.04	3.87	3.20	2.85	2.52	2.60	2.39	2.95
1891..	2.07	2.33	2.87	3.35	3.13	2.71	2.43	1.99	1.56	.92	.32	.29	2.00
1892..	.39	.36	.49	1.07	1.13	1.69	2.20	2.12	1.92	1.48	1.21	1.08	1.26
1893..	.75	.64	1.12	1.87	3.03	3.25	2.99	2.45	2.18	1.66	1.25	1.10	1.86
1894..	1.44	1.62	1.92	1.97	2.15	2.68	2.48	1.90	1.39	1.14	.81	.46	1.66
1895..	.37	.31	.21	.76	.88	.76	.47	+ .22	-.12	-.46	-.71	-.68	.17
1896..	.32	+ .20	.37	1.30	1.31	1.22	.96	.82	.34	.11	-.15	-.15	.50
1897..	-.24	-.30	+ .20	.84	1.28	1.50	1.48	1.48	.98	.35	.29	.35	.69
1898..	.52	.96	1.36	1.79	1.96	2.01	1.73	1.38	.97	.72	.77	.78	1.25
1899..	.86	.76	1.01	1.57	1.82	1.95	1.80	1.34	.84	.41	.31	.24	1.08
1900..	.39	.70	.99	1.68	1.87	1.79	1.55	1.27	.85	.47	.30	.57	1.04
Mean (41 years)	1.50	1.57	1.86	2.41	2.76	2.90	2.85	2.52	2.05	1.76	1.52	1.47	2.10
Mean (30 years 1871-1900)....	1.28	1.38	1.67	2.22	2.49	2.63	2.58	2.23	1.86	1.48	1.24	1.21	1.86

LAKE ERIE AT CLEVELAND, OHIO

*Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of 1838).
Elevation of the plane of reference above mean tide at New York, is 574.12 feet.*

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860..	1.85	2.21	1.81	1.11	0.90	0.93	1.19	1.35	1.69	1.99	2.08	2.24	1.61
1861..	2.50	2.78	2.34	1.30	0.87	0.80	1.05	1.01	1.19	1.42	1.44	1.67	1.53
1862..	1.68	1.97	1.83	0.93	0.69	0.69	0.72	1.10	1.41	1.79	2.13	2.10	1.42
1863..	1.65	1.36	1.42	1.30	1.12	1.26	1.38	1.46	1.85	2.29	2.70	2.73	1.71
1864..	3.02	2.87	2.66	2.16	1.46	1.51	1.77	2.04	2.26	2.57	2.74	2.67	2.81
1865..	3.10	3.68	3.36	2.64	2.06	2.08	2.12	2.20	2.24	2.54	2.92	3.06	2.67
1866..	3.33	3.49	3.10	2.52	2.30	2.04	1.93	2.18	2.24	2.25	2.49	2.48	2.63
1867..	2.77	3.09	2.69	2.37	1.85	1.54	1.73	2.04	2.43	2.77	3.27	3.49	2.50
1868..	3.69	4.07	3.48	2.65	2.20	1.81	1.84	2.36	2.63	3.08	3.24	3.45	2.88
1869..	3.46	3.53	3.05	2.75	2.20	1.81	1.53	1.63	1.90	2.35	2.81	2.46	2.46
1870..	2.22	1.99	2.22	1.57	1.36	1.39	1.35	1.40	1.65	2.03	2.33	2.45	1.83
1871..	2.66	2.99	2.54	2.06	1.79	1.76	1.78	1.99	2.16	2.83	3.01	3.45	2.42
1872..	3.53	3.77	3.86	3.66	3.22	2.85	2.86	2.89	3.12	3.29	3.62	3.85	3.38
1873..	3.95	3.94	3.87	2.59	1.92	1.84	1.86	1.92	2.32	2.62	2.82	2.45	2.67
1874..	2.06	2.01	1.98	1.81	1.72	1.65	1.62	1.78	2.24	2.68	3.10	3.31	2.16
1875..	3.54	3.71	3.57	3.17	2.70	2.27	2.14	2.15	2.29	2.78	2.93	2.71	2.83
1876..	2.75	2.19	1.54	1.02	0.70	0.59	0.70	1.00	1.17	1.70	1.62	1.96	1.41
1877..	(2.36)	2.52	2.75	2.32	2.07	1.99	1.75	1.89	1.97	2.37	2.45	2.37	2.23
1878..	2.29	2.15	2.02	1.60	1.34	1.34	1.34	1.58	1.71	2.06	2.26	2.18	1.82
1879..	2.60	2.74	2.71	2.35	2.20	2.11	2.08	2.30	2.63	2.86	3.33	3.07	2.58
1880..	2.57	2.53	2.39	2.23	1.96	1.85	1.76	2.00	2.23	(2.67)	(2.75)	(3.09)	2.34
1881..	(3.50)	(3.39)	(3.07)	2.37	1.97	1.73	1.78	2.10	2.45	2.50	2.68	2.47	2.50
1882..	2.00	2.00	1.55	1.33	1.13	0.98	1.05	1.19	1.46	1.91	2.23	2.74	1.63
1883..	2.83	2.62	2.43	2.31	1.85	1.15	0.95	1.01	1.32	1.64	2.02	1.99	1.84
1884..	2.32	2.06	1.87	1.32	1.05	0.97	1.19	1.35	1.78	2.11	2.59	2.66	1.77
1885..	2.84	3.05	3.19	2.37	1.64	1.13	1.17	1.16	1.31	1.41	1.53	1.58	1.87
1886..	1.56	2.29	2.48	1.60	1.30	1.20	1.22	1.43	1.67	1.90	2.31	2.26	1.77
1887..	2.49	2.07	1.26	1.24	1.05	1.03	1.27	1.59	1.82	2.41	2.68	2.66	1.80
1888..	2.84	3.11	3.01	2.38	2.13	2.00	1.85	1.95	2.39	2.76	2.70	2.82	2.50
1889..	2.80	2.96	3.12	2.77	2.59	2.16	1.96	2.27	2.66	3.08	3.35	3.09	2.73
1890..	2.73	2.44	2.32	1.83	1.49	1.12	1.58	1.94	2.13	2.32	2.35	2.58	2.06
1891..	2.80	2.82	2.36	2.49	2.67	2.53	2.63	2.90	3.08	3.46	3.90	3.83	2.96
1892..	3.80	4.01	3.97	3.41	2.61	1.85	1.73	2.08	2.40	2.96	3.29	3.56	2.97
1893..	3.94	3.86	3.64	2.91	2.07	1.88	2.16	2.50	2.88	3.23	3.63	3.55	3.02
1894..	3.27	3.39	3.36	2.96	2.57	2.26	2.38	2.75	2.92	3.24	3.48	3.55	3.01
1895..	3.88	4.11	4.10	3.85	3.63	3.54	3.65	3.73	3.83	4.31	4.41	4.25	3.94
1896..	4.15	4.23	4.28	3.83	3.45	3.18	3.30	3.09	3.41	3.65	4.02	3.99	3.71
1897..	4.02	3.82	3.45	2.90	2.57	2.47	2.48	2.64	2.92	3.41	3.54	3.67	3.15
1898..	3.52	3.32	3.06	2.48	2.33	2.30	2.52	2.72	3.10	3.30	3.42	3.59	2.97
1899..	3.44	3.65	3.28	2.98	2.67	2.55	2.65	2.90	3.26	3.50	3.49	3.77	3.18
1900..	3.75	3.54	3.19	2.88	2.72	2.64	2.77	2.80	3.12	3.36	3.62	3.66	3.17
Mean (41 years)	2.93	2.98	2.75	2.30	1.99	1.78	1.82	2.01	2.30	2.62	2.86	2.91	2.43
Mean (30 years, 1871-1900)....	3.03	3.04	2.87	2.44	2.09	1.90	1.94	2.12	2.43	2.74	2.97	3.02	2.55

NOTE.—Interpolated monthly means are indicated by parentheses, and are found for any year by taking the corresponding monthly means at Erie, Pa., and correcting the same by the average difference between the observed monthly means at Cleveland for that year and the corresponding observed monthly means at Erie, Pa.

LAKE HURON, AT POINT AUX BARQUES, PORT AUSTIN, AND SAND BEACH, MICH.,
LAKE MICHIGAN AT MILWAUKEE, WIS.

Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of 1838).
The Lake Michigan record was used only from 1865 to 1870, inclusive, when there was no record kept on Lake Huron. Elevation of the plane of reference above mean tide at New York, is 583.26 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860a.	2.02	2.07	1.93	1.96	1.91	1.67	1.58	1.66	1.85	2.23	2.35	2.65	1.99
1861a.	2.86	2.82	2.68	2.48	1.86	1.52	1.40	1.29	1.37	1.59	1.90	2.03	1.98
1862a.	2.41	2.42	2.51	2.30	1.93	1.81	1.76	1.78	2.00	1.72	2.04	2.33	2.08
1863a.	2.49	2.64	2.69	2.62	2.30	2.17	2.26	2.25	2.39	2.65	2.69	2.92	2.51
1864a.	3.06	3.10	3.10	2.90	2.47	2.46	2.51	2.62	2.94	(3.47)	(3.64)	(3.77)	3.00
1865b.	4.13	4.04	3.87	3.38	3.22	3.18	2.75	2.73	2.85	3.09	3.65	3.96	3.40
1866b.	4.22	4.46	4.41	3.06	3.78	3.49	3.23	3.17	3.32	3.43	3.52	3.78	3.73
1867b.	3.80	3.75	3.57	3.28	3.06	2.75	2.60	2.67	2.94	3.27	3.73	4.08	3.29
1868b.	4.24	4.28	3.60	3.70	3.42	3.21	3.18	3.52	3.76	3.99	4.06	4.34	3.78
1869b.	4.44	4.37	4.63	4.26	3.93	3.40	3.02	2.76	2.87	3.23	3.35	3.63	3.66
1870b.	3.57	3.48	3.18	2.76	2.42	2.28	2.17	2.26	2.12	2.52	2.92	3.27	2.75
1871c.	(2.83)	(2.91)	(2.31)	(2.11)	(1.76)	(1.72)	(1.69)	2.29	2.61	3.11	3.32	3.69	2.53
1872c.	3.86	4.06	(4.17)	4.14	3.74	3.34	3.24	3.27	3.37	3.49	3.79	4.08	3.71
1873c.	4.25	4.28	4.21	3.80	3.30	2.90	2.70	2.69	2.86	2.89	2.90	3.15	3.34
1874c.	3.13	2.99	2.85	3.00	2.95	2.61	2.45	2.56	2.72	2.96	3.23	3.48	2.91
1875d.	3.69	3.75	3.71	3.52	3.17	2.86	2.67	2.70	2.66	2.85	2.96	3.23	3.15
1876d.	3.11	3.13	3.00	2.72	2.12	1.63	1.19	1.25	1.36	1.76	1.91	2.10	2.11
1877d.	2.39	2.40	2.47	2.39	2.22	2.26	2.08	2.18	2.45	2.59	2.64	2.69	2.40
1878d.	2.79	2.96	2.79	2.86	2.46	2.29	2.25	2.35	2.64	2.63	2.82	3.02	2.66
1879d.	3.32	3.56	3.60	3.57	3.44	3.30	3.26	3.39	3.47	3.71	3.83	3.85	3.53
1880d.	3.80	3.86	3.87	3.86	3.46	2.97	2.66	2.77	2.88	3.24	3.36	3.50	3.36
1881d.	3.69	3.30	3.29	3.27	2.95	2.78	2.63	2.80	2.96	2.71	2.58	2.75	2.98
1882d.	2.90	3.13	2.99	2.77	2.60	2.37	2.23	2.17	2.29	2.52	2.77	2.92	2.64
1883d.	3.12	3.17	3.13	3.12	2.55	2.13	1.65	1.45	1.77	2.10	1.99	2.10	2.36
1884d.	2.29	2.44	2.40	2.09	1.87	1.81	1.73	1.85	2.20	2.04	2.39	2.65	2.15
1885d.	2.38	2.47	2.47	2.36	1.96	1.67	1.61	1.46	1.56	1.79	1.98	2.18	1.99
1886d.	2.18	2.11	1.92	1.63	1.30	1.21	1.37	1.52	1.70	1.83	2.10	2.42	1.77
1887d.	2.59	2.40	2.19	2.28	2.08	1.96	1.88	2.09	2.44	2.66	3.11	3.40	2.42
1888d.	3.51	3.60	3.43	3.29	2.85	2.55	2.52	2.48	2.78	3.07	3.25	3.46	3.07
1889d.	3.60	3.68	3.70	3.77	3.63	3.30	3.04	3.10	3.27	3.64	3.98	4.14	3.57
1890d.	4.07	4.19	4.21	4.07	3.76	3.33	3.14	3.14	3.41	3.62	3.82	4.12	3.74
1891d.	4.32	4.43	4.46	4.13	3.89	3.94	3.91	4.01	4.20	4.57	4.88	4.94	4.31
1892d.	4.92	4.98	4.92	4.84	4.71	4.18	3.89	3.81	3.98	4.19	4.52	4.76	4.48
1893d.	5.01	5.06	4.98	4.60	3.97	3.22	3.50	3.64	3.93	4.14	4.37	4.57	4.25
1894d.	4.62	4.61	4.46	4.23	3.83	3.53	3.38	3.65	3.84	4.08	4.27	4.57	4.09
1895c.	4.82	4.94	4.93	4.83	4.66	4.59	4.62	4.71	4.84	5.13	5.52	5.76	4.95
1896d.	5.69	5.57	5.67	5.64	5.24	4.87	4.81	4.77	4.95	5.15	5.29	5.41	5.25
1897d.	5.33	5.42	5.28	4.94	4.37	4.15	3.95	3.94	4.20	4.55	4.67	4.97	4.65
1898d.	5.12	5.06	4.83	4.34	4.22	4.06	3.96	4.07	4.26	4.57	4.65	4.84	4.50
1899d.	5.10	5.24	5.09	4.92	4.38	3.99	3.70	3.79	3.99	4.40	4.54	4.73	4.49
1900d.	4.96*	4.95	4.92	4.80	4.65	4.48	4.23	4.14	4.06	4.12	4.12	4.32	4.48
Mean (41 years)	3.68	3.71	3.62	3.45	3.13	2.88	2.74	2.80	2.97	3.20	3.40	3.62	3.27
Mean (30 years, 1871-1900)...	3.78	3.82	3.74	3.60	3.27	3.00	2.86	2.93	3.12	2.33	3.52	3.72	3.40

a Point aux Barques, Mich. b Milwaukee, Wis. c Port Austin, Mich. d Sand Beach, Mich.

NOTE—Interpolated monthly means are indicated by parentheses, and are found for any year by taking the corresponding monthly means at Milwaukee, Wis., and correcting the same by the average difference between the observed monthly means at Point aux Barques or Port Austin for that year and the corresponding observed monthly means at Milwaukee, Wis.

*Sanitary Canal at Chicago opened 17th January, 1900. Average discharge, January, 1901, 250,000 cubic feet per minute.

LAKE SUPERIOR, AT SUPERIOR, WIS., AND MARQUETTE, MICH.

Monthly mean of water levels below the plane of reference of United States Lake Survey (high water of 1838).
Elevation of plane of reference above mean tide at New York, is 603.68 feet.

Levels for the period, 1860-1895, from Report of United States Deep Waterways Commission; for the period, 1896-1900, from information furnished by Brig. Gen. John M. Wilson, Chief of Engineers, U.S.A., Washington, D.C.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
1860 ^a	(2.77)	(3.02)	(3.02)	2.52	2.29	2.12	2.16	2.11	2.13	2.09	2.26	(2.62)	2.43
1861 ^a	(2.73)	3.06	3.20	2.79	2.16	2.01	1.85	1.89	1.98	1.95	2.29	(2.67)	2.38
1862 ^a	3.02	3.21	3.18	3.12	2.44	2.45	2.48	2.31	2.19	2.26	2.59	2.86	2.68
1863 ^a	3.05	3.18	3.35	3.31	3.18	3.26	3.12	2.50	2.48	2.65	3.00	3.11	3.02
1864 ^a	3.40	3.61	3.54	3.52	3.36	3.21	3.12	3.11	2.96	3.22	3.41	3.56	3.34
1865 ^a	3.74	3.75	3.88	3.44	2.95	2.54	2.22	2.14	2.13	2.34	2.87	3.18	2.93
1866 ^a	3.47	3.68	3.68	3.23	2.98	2.79	2.50	2.27	2.54	2.52	2.85	2.74	2.94
1867 ^a	3.01	3.12	3.31	3.09	3.09	2.49	2.16	2.28	2.20	2.22	2.65	2.97	2.72
1868 ^a	3.13	3.72	3.36	3.17	2.77	2.86	2.64	2.72	2.59	2.62	3.46	2.89	2.91
1869 ^a	3.11	3.35	3.80	3.22	2.82	2.81	2.44	1.98	1.13	1.65	1.99	2.64	2.58
1870 ^a	2.89	3.10	3.09	2.99	2.66	2.85	2.66	2.66	2.49	2.65	2.83	3.76	2.89
1871 ^a	3.85	4.45	4.03	3.53	3.00	2.88	2.81	2.75	2.65	2.72	2.79	3.53	3.25
1872 ^b	3.85	3.96	4.08	4.18	3.53	3.15	2.88	2.71	2.55	2.65	2.80	3.10	3.29
1873 ^b	3.20	(3.65)	(3.62)	(3.61)	3.01	2.71	2.42	2.24	2.18	2.28	2.42	2.72	2.84
1874 ^b	(3.17)	3.19	3.25	3.13	3.06	2.86	2.48	2.39	2.29	2.23	2.41	2.72	2.76
1875 ^b	3.04	3.08	3.04	3.04	2.82	2.46	2.47	2.38	2.15	2.30	2.44	2.64	2.65
1876 ^b	2.84	3.05	3.14	3.11	2.57	1.89	1.50	1.39	1.50	1.83	1.99	2.27	2.26
1877 ^b	2.63	2.87	3.13	3.21	3.22	3.00	2.62	2.56	2.72	2.72	2.93	3.00	2.88
1878 ^b	3.12	3.00	3.77	3.80	3.53	3.25	3.18	3.30	3.47	3.40	3.60	3.92	3.45
1879 ^b	(3.62)	3.86	3.56	3.95	4.31	4.08	3.84	3.72	3.63	3.74	3.82	(4.12)	3.89
1880 ^b	(4.44)	(4.48)	(4.57)	(4.54)	(3.85)	3.02	2.87	2.88	2.88	2.93	2.99	3.25	3.56
1881 ^b	3.61	3.61	3.70	3.79	3.49	3.05	2.99	2.94	2.71	2.37	2.44	2.72	3.11
1882 ^b	3.07	3.32	3.43	3.51	3.35	3.33	2.28	2.76	2.72	2.89	2.91	3.10	3.11
1883 ^b	3.33	3.62	3.62	3.37	3.36	3.26	3.01	2.99	3.03	3.23	3.38	3.49	3.31
1884 ^b	(3.56)	(3.59)	(3.71)	4.00	3.78	3.58	3.44	3.43	3.16	2.80	2.90	3.11	3.42
1885 ^b	3.34	3.52	3.60	3.65	3.32	3.04	2.80	2.68	2.75	2.92	3.07	3.40	3.17
1886 ^b	3.60	3.73	3.79	3.70	3.45	3.31	3.24	3.33	3.35	3.25	3.40	3.54	3.47
1887 ^b	3.85	3.83	3.62	3.35	3.56	3.40	3.12	3.04	3.18	3.25	3.49	3.71	3.44
1888 ^b	3.82	3.81	3.88	3.88	3.41	2.63	2.44	2.30	2.35	2.44	2.58	2.93	3.04
1889 ^b	3.25	3.47	3.64	3.63	3.28	3.16	2.97	2.78	2.65	2.81	3.12	3.42	3.18
1890 ^b	3.56	3.69	3.93	3.96	3.75	3.30	3.00	2.85	2.72	2.75	2.96	3.32	3.32
1891 ^b	3.68	3.81	3.85	3.89	3.69	3.64	3.44	(3.37)	(3.43)	(3.38)	(3.49)	3.90	3.68
1892 ^b	3.90	4.18	4.31	4.30	3.97	3.59	3.56	3.44	3.39	3.49	3.66	3.94	3.81
1893 ^b	4.22	4.31	4.26	4.16	3.66	3.14	2.84	2.78	2.87	2.90	3.06	3.29	3.46
1894 ^b	3.47	3.65	3.56	3.41	2.63	2.41	2.35	2.22	2.30	2.28	2.33	2.52	2.76
1895 ^b	2.82	3.04	3.21	3.31	2.94	2.62	2.42	2.37	2.23	2.18	2.47	2.80	2.70
1896 ^b	3.00	3.20	3.40	3.31	2.66	2.28	2.22	2.20	2.37	2.69	2.62	2.77	2.73
1897 ^b	2.93	3.16	3.24	3.21	2.87	2.54	2.24	2.12	2.18	2.38	2.68	3.11	2.72
1898 ^b	3.49	3.67	3.86	3.86	3.62	3.14	2.73	2.60	2.50	2.56	2.76	2.99	3.15
1899 ^b	3.36	3.56	3.53	3.53	3.56	2.85	2.86	1.97	1.81	2.00	2.11	2.32	2.63
1900 ^b	2.69	2.87	3.09	3.19	3.02	2.96	2.74	2.38	1.86	1.78	1.81	2.19	2.55
Mean (41 years)	3.34	3.51	3.58	3.50	3.19	2.93	2.71	2.60	2.58	2.61	2.79	3.09	3.03
Mean (90 years, 1871-1900)....	3.42	3.57	3.65	3.64	3.35	3.02	2.79	2.69	2.69	2.71	2.85	3.13	3.12

^a Superior, Wis. ^b Marquette, Mich.

NOTE.—Interpolated monthly means are indicated by parentheses, and for the Superior, Wis., record are found for any year by taking the mean of the monthly means for each month in the ten-year series, 1862 to 1871, and correcting the same by the average difference between the observed monthly means for that year, and the corresponding means of the monthly means in the ten-year series. This method was adopted because there are no corresponding records at other places.

There is an uncertainty of 0.4 foot in the elevation of the zero of the gauge at Superior, Wis., for the years 1860-1871 (see Report Chief of Engineers, U.S.A., 1873, pp 157, 159), and the possible alternative would make the water surface 0.4 foot lower than is given in above table. (From letter of Major Clinton B. Sears, Corps of Engineers, U.S.A., dated June 30, 1896.)

The Superior, Wis., record here used is that finally adopted by the United States Lake Survey in 1876. Interpolated monthly means, indicated by parentheses, for the Marquette record are found for any year by taking the corresponding monthly means at Sault Ste. Marie, Mich., and correcting the same by the average difference between the observed monthly means at Marquette for that year and the corresponding observed monthly means at Sault Ste. Marie, Mich.

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